

<210> 513

<211> 893

<212> DNA

<213> Homo sapiens

<400> 513

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<210> 514

<211> 784

<212> DNA

<213> Homo sapiens

<400> 514

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<210> 515

<211> 794

<212> DNA

<213> Homo sapiens

<400> 515

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 ttaagttttg tccaggaaat tacttcagtt ggagctaatt tattggcacc ctttactaac 720
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<210> 516

<211> 692

<212> DNA

<213> Homo sapiens

<400> 516

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 gccccttgtg ggataggaag ttggccacat tgcccacatc cagtagccag tgaatagttg 540
 tgcttggagt ttgccctgta ggctgactta tgagccatag cccaagtcac atcccgagaa 600
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 cttgctcagg gaatactctn tnnggtataa gt 692

<210> 517

<211> 785

<212> DNA

<213> Homo sapiens

<400> 517

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gatccagcag gagctggagc agtgtgacgt ccccgangac gtgcgggttg gctgcctgac 720
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aacng 785
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<210> 518

<211> 901

<212> DNA

<213> Homo sapiens

<400> 518

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aacaccgttg ctgccgctaa ttatgtcgcc agcatcttta gtacccagcag catgcagagc 180
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aatagccgcg tgtttactgc aaatccacag ctgcaggagc agatgcggcc acagctccca 360
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<210> 519

<211> 771

<212> DNA

<213> Homo sapiens

<400> 519

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 ttcagggatg ggaaaatccc ccacaccag ctttcatcat ccataatcca gaccacttcc 180
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 tcgatgctgc cctttatcta cagatgaatg agaagaacct acatggacat gtcctgtgtg 660
 tgacaagaag gctccctatg aatctcttat cattgatggg tanggccatt tgctttcctc 720

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771

<210> 520

<211> 684

<212> DNA

<213> Homo sapiens

<400> 520

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tactggtatt gatgaaaaca gtcagagaat atactttatt taaaaaacat ttacaaagaa 600
ctcttaaaac tcaacaataa gaacttaaca gatatgcccc aaagaagttt tcngatgaacn 660
agtaagattt gaaaaaaaat gctg 684

<210> 521

<211> 833

<212> DNA

<213> Homo sapiens

<400> 521

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cattctggta atagatatgt gacaatagac aaaaagatat aatatgttag gtggttaacta 180
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<210> 522

<211> 696

<212> DNA

<213> Homo sapiens

<400> 522

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 gagaagagat gtcagaacac ttttcctat attaatcaa tcctgttttt agaattaaac 180
 atatagaaga attaaacatt tagaatgaaa catatagaag actgaataga ttaagtgttt 240
 ttctctgaag acatatagtt aatactggac aagacttaaa aattatattt tgggacacat 300
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 tcaggataga aaaagtaata atcttatact ggctgggtgc gatggcccat gcctgtaatc 540
 caagcacttt gggaggccaa ggcaggtgaa tcacttgagc tcaggagttc gagaccaacc 600

tgggcaacat agcaagaccc cgtgtctaca aaaaatacaa aaattagcct gcattgcggn 660
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<210> 523

<211> 828

<212> DNA

<213> Homo sapiens

<400> 523

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gactccttta cactttgaaa aatcagtgag aaccctaaac agcttattta tgtgagttat 180
atgcataaat atttaccatg ttggaaacta aagcagaaac tttttaagaa tggagaaata 240
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<210> 524

<211> 805

<212> DNA

<213> Homo sapiens

<400> 524

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tttgagaatt atggatctcc ggatattagt agcaaggaag tttgtaggag cagcaaatta 720
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<210> 525

<211> 788

<212> DNA

<213> Homo sapiens

<400> 525

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cgaaacgcct acagcagcag ccacttggaa cccgaatctt catctcagca ctgccgccag 420
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<210> 526

<211> 807

<212> DNA

<213> Homo sapiens

<400> 526

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<210> 527

<211> 828

<212> DNA

<213> Homo sapiens

<400> 527

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<210> 528

<211> 309

<212> DNA

<213> Homo sapiens

<400> 528

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tttaggctgg gtgcggtggc ccatgcctgt aatcccagta ctttgggagg ccaaaagagg 180
gtgggtcacc tgaggtcagg agttagagag cagcctgacc aacatagtga aaccatgtct 240
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nggaggntn 309

<210> 529

<211> 860

<212> DNA

<213> Homo sapiens

<400> 529

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caagagggat atgacagatc ttcaaccatg ttaacattgg ggccttttag aaattctaata 180
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ctgacaccct cgcatcagtt ggagggttga ggaggcttcc gaataagtga gtcaaagtgc 540
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gatgggcttg tatctggttt cggacggact gttaatgaca atttgatcga cgggaattgc 660
acaccccaga atccaccaca aaagaaaaag ggttctctat tagaataccg taagagacaa 720
cgtgaagcta gggaaaagtg gctctaagac agagaacttt ccactcanta gtgnatcacc 780
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<210> 530

<211> 765

<212> DNA

<213> Homo sapiens

<400> 530

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gcaatgagat gaacaccgac accttctcga ggagattaac aaagctggaa aggagctggg   660
gatcatccca accatcatcc gggatganga actgaagacg agaggatttg gaggaatcta   720
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<210> 531

<211> 800

<212> DNA

<213> Homo sapiens

<400> 531

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<210> 532

<211> 606

<212> DNA

<213> Homo sapiens

<400> 532

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<210> 533

<211> 703

<212> DNA

<213> Homo sapiens

<400> 533

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ccgagaggca cgtggctcca gccggtgtgg acctgggcct ctgctgcccc cgtctgcccc  180
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<210> 534

<211> 756

<212> DNA

<213> Homo sapiens

<400> 534

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cttctgagct caggttgggg ggagttggag ccacaaatag atggtcagac ctgggctgag  180
cgggcacttc gggagaatga acgccacgcc ttcacctgcc ggggtggcagg ggggcctggc  240
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 ncgcagcctg gcacacaacc ttttcgttgt ggnccaccaat gaccctgggt gttaaccaat 720
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<210> 535

<211> 871

<212> DNA

<213> Homo sapiens.

<400> 535

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 aagagagggt tgcctttctg ggctagggaa gtggctggag cttctgcctg accttcccta 780
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871

<210> 536

<211> 864

<212> DNA

<213> Homo sapiens

<400> 536

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ttagattttc tgtatttcat ctgccagatt atttgaatca cacaggatga tgtgttaaca	180
gtattagggg ggaagaggaa tcaagagtaa agaggtaggg gtttactcat ttttcttccc	240
tgagccaggt gtgacaagcc aactctgtca ccattcgtga ggggagagtt gcagtcctct	300
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tgaagacttg cctttgtgtt ttgttatgaa acacgcaagc ataaagcagg actcaagcac	420
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tctcgggatt gcaggttgaa aaacacacct taatcagcag taaatcttct ctactcggnc	780
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<210> 537

<211> 773

<212> DNA

<213> Homo sapiens

<400> 537

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ggagtgtctt aatgaatgac tctacttaga cttccccag agaaatgatt acataataat	660
actttgtata ggacatctta taaaaagctt aaagtatttt gnatatagac tcattaatca	720
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<210> 538

<211> 856

<212> DNA

<213> Homo sapiens

<400> 538

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aaacaaaact aaagactcta ccaaaaaact catagaactg ataaattttg aaaagttaga	420
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gaaaaagaaa tcaaggtaac cccatttata atagctgtga aaaaaatcta ggaataaatt. 540
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<210> 539

<211> 791

<212> DNA

<213> Homo sapiens

<400> 539

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<210> 540

<211> 865

<212> DNA

<213> Homo sapiens

<400> 540

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<210> 541

<211> 562

<212> DNA

<213> Homo sapiens

<400> 541

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<210> 542

<211> 865

<212> DNA

<213> Homo sapiens

<400> 542

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<210> 543

<211> 756

<212> DNA

<213> Homo sapiens

<400> 543

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<210> 544

<211> 797

<212> DNA

<213> Homo sapiens

<400> 544

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<210> 545

<211> 808

<212> DNA

<213> Homo sapiens

<400> 545

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<210> 546

<211> 824

<212> DNA

<213> Homo sapiens

<400> 546

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 aacttctccg actgtagcca tctgcaatga tccaagagt agcttacaaa atactgacag 540
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 taatttgcct aatccctgtc cctttaatag cccctcagtg tttaaaatgt gggggaacat 720
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<210> 547

<211> 835

<212> DNA

<213> Homo sapiens

<400> 547

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gggtggtgaca atagttacat ctctgtgact gctcccgag agcgggacta ctccatatag  180
gcagtgtgct gagagcagca gctcaggaac agtctgcagt catatttata cctgctctta  240
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gattgaaaac agaagaaacc agcggagagg tcacataaca acattggaag caaggagagt  660
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tgggttcaca caccacccc ccaaaatgta actagcaatg atccgcangc aaaaaatact  780
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<210> 548

<211> 803

<212> DNA

<213> Homo sapiens

<400> 548

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ggagggttcg aagaaaacat ccagggcgga ggctcagctg tgattgacat ggagaacatg  180

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gatgatacct caggctctag cticgaggat atgggtgagc tgcacagcg cctgcgcgag 240
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 tccttcattt actttcttgc tacctgtgca acgcccagat caccatgctt gcanatgttg 720
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 ccacttcacg cccttttnta cct 803

<210> 549

<211> 790

<212> DNA

<213> Homo sapiens

<400> 549

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 tgcagtttgc agaagctgtt tgctgtggaa gaggagtttg aagatgagga tttcttgtct 180
 gctgtggagg atgcagagaa ccggtttact ggctcactgc ctgtgaatgc tgggcgcctg 240
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 cctgtctcta ctccaactg ccttaacagt tcccactcag caactccact gggaagtctg 480
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 tggcaaagct catttaccga gacctngaac tccaactca agctgttcta ctccctcaag 660

gactagctct ggattatttc ctcgataacc cttacaacag cagcaagttg gtggctttga 720
 ngggcctgaa caagacgaat ttgataaagt cctggcaagc atggaanttg gangaacctg 780
 gcattgggaa 790

<210> 550

<211> 753

<212> DNA

<213> Homo sapiens

<400> 550

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 gacatgtaca atgacacatt aaatggcagt acagagaaaa ggagtgcaga attgcctgat 180
 gctgtgggac ctattgttca gttacaagag aaactttatg tgcctgtaaa agaataccca 240
 gattttaatt ttgttgggag aatccttggg cctagaggac ttacagccaa acaacttgaa 300
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 gtgaagaaat tattggtacc tgcagcagaa ggagaagaca gcctgaagaa gatgcagctg 540
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 gcctttttctc ttgcagcaac agcccaggct gctccaagga tcattactgg gcctgcgccg 660
 gttctccac cagctgccct tgcgtactcc tacgccagct ggccctacca taatgccttt 720
 gatcagacca antncngacc ggttgtcatt gcc 753

<210> 551

<211> 778

<212> DNA

<213> Homo sapiens

<400> 551

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 aacctaatat gatTTTTTaa gaaatttata atttcattag agaaatagat gtataaacia 300
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 cagcacacta ccagatgcc ttatttagaa tcgaagcatt ggtttccttc aggttttggg 660
 agtggttgct gctgatggct catagntgag tctctttctg agacaaaggg angtgtctca 720
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<210> 552

<211> 761

<212> DNA

<213> Homo sapiens

<400> 552

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 cgagaagatc gcgctgcaca atcagaagca ggcggaggag acggcggcct tcgaggaggt 180
 catgaaggac ctgagcctga cgcgggccgc gcggctccag ctccagaaat cccagtacct 240
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ccccatggc accatgtacc tctcaccacc cgcggacacc agctggagaa ggaccaattc 540
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 acatcagaag cagacaaaaa cttttccaag caaacattgg acaccaagaa gacnggggtcc 720
 aaggnccaaa atcctngtaa ggtcccccg aaattaaaca t 761

<210> 553

<211> 734

<212> DNA

<213> Homo sapiens

<400> 553

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 taaggacggt ccgctccctc tagccagctc cgaatcctga tccaggcggg ggccaggggc 180
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 attttattaa tataaataga gttggggggg gtttgctggg ttggccangt tggncatcaa 720
 ctctggcct naag 734

<210> 554

<211> 667

<212> DNA

<213> Homo sapiens

<400> 554

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gaaggattga taaaagttct cctgggtgtc ccgcagagtg ccttcagga acagatcttt 180
gcatagaata tcagtgtttt ctttttttgt ttcaaatagt ggtcagaaaa taccagtgt 240
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tgggtttcac catgttgcc aggatgtgtc ctatctcctg acctgtgat ctgcctgcct 540
cagcttccca aagtgtgag atgacagggtg tgagccatca gaccagcat tttttttttt 600
aatttaaatt taaatttttt tcattttttt gagaggtttt tttgttttg nttgttgnt 660
gntggtg 667

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<210> 555

<211> 823

<212> DNA

<213> Homo sapiens

<400> 555

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atgtcaacat ttaacagatt tgagccttct aaatttaatc cagcatgaat gtcgttttta 420

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ctaaaatatt tgctatittta ctacttagc tggttcctta cacaagtcca gttaaatttc 480
 acatgtgaaa aaaatgactg aaaacactga atggaatgtg atactccttg tgtagtagaa 540
 atgagttgac tttcatatit aagagctgat cctatgaatg agtagacaat aagctgaata 600
 gctgttacga tctgagtttt aaaaatggaa aatgtttcat gttttagaga atgtaaactt 660
 ccacaagggg cagagattgg taatacgttg tccccccagt ggacttaaaa cagtactggc 720
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<210> 556

<211> 868

<212> DNA

<213> Homo sapiens

<400> 556

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 acaggggccc gtgatggaaa atgccaggg actgggcttc cgaaatgtcg tcaccgtgga 480
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 tctcctgtgg atggctgaag ccaaanatgc ccaggtttgg acatggcacc ttttctgctt 780
 gtgnctggga aaccatttac caagaaaagt gacgggcaaa aggagcttga gataccaagg 840
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<210> 557

<211> 862

<212> DNA

<213> Homo sapiens

<400> 557

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aaacgatgag atggtttttg tttgtggtac caatgcattc aatcccatgt gtagatacta  180
caggttgagt acctagaat atgatgggga agaaattagt ggcctggcaa gatgccatt  240
tgatgccaga caaaccaatg ttgccctctt tgctgatggg aagctgtatt ctgccacagt  300
ggctgacttc ttggccagcg atgccgttat ttatcgaagc atgggtgatg gatctgccct  360
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atatggaaac tatgtctatt tcttctttcg agaaatcgct gtcgaacata ataatttagg  480
caaggctgtg tattcccgcg tggcccgcat atgtaaaaac gacatgggtg gttcccagcg  540
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catccccact gtggtcgggg tgtttaccac gcagctcaat agcatccctg gttctgctgc  720
tgtgcattta gcatggatga cattgaaaaa gtattcaaag gacggtttaa gggaacagaa  780
aaacttcag attctgtttg ggacagcagt ttcccgaaga caaagtgccc aagccaaggc  840
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<210> 558

<211> 862

<212> DNA

<213> Homo sapiens

<400> 558

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<210> 559

<211> 849

<212> DNA

<213> Homo sapiens

<400> 559

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 taaaaagcaa tcctaaaaca gaaggaactg ccgggttggc tttctaccaa atattgtttg 780
 gaaatgtatg acaaaggcgc atttgatact ttttcctgta aaagtgnata caggtanact 840
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<210> 560

<211> 702

<212> DNA

<213> Homo sapiens

<400> 560

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<210> 561

<211> 856

<212> DNA

<213> Homo sapiens

<400> 561

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gacttcgagg ctgacgacac ctgcctggca cactgctggg tggtagtgcg gctggacggc  180
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gtgttgatat ggcanaggt ggatgaagtg atgacaaaaa gaaattaagc tgccaacaga  780
aatggaagga aaaaagatgg cagtgacccc ggaccaggac aaaccagtgc ccttgnactg  840
ggatatcatc ggggat                                     856
    
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<210> 562

<211> 841

<212> DNA

<213> Homo sapiens

<400> 562

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tatataatca atcactttga tgtcagttaa tcctaccaac acaagattaa aggtttaaaa  120
    
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atctcatagc tgtacagcca ttagtgtctc ctttcatact atattatattt gttcattggc 180
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 aatattttcc aagttcagta tgctgttctg gttataagaa gatcagtgtc ctaatcacac 360
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 gntaaactaa acatgggcag aactgcttta agcctttgaa tcttgntctt aaagccaggt 780
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<210> 563

<211> 777

<212> DNA

<213> Homo sapiens

<400> 563

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 aatacattcc ccaacataca taataattat aaaataatat agtaactgtt aagttatttc 180
 aactgtccaa gttttctggt ataggaactt tgtgtaaaat attactcaga tatgggaggc 240
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<210> 564

<211> 753

<212> DNA

<213> Homo sapiens

<400> 564

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gcagtaagtc agacaatatt tgccacaata atg 753

<210> 565

<211> 866

<212> DNA

<213> Homo sapiens

<400> 565

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tggaaggctg aggcatatgg accacttgag gtcaagagtt tgagaccagc ctgaccaaca	180
tggtgaaacc ccatttctac taaaaataac aacagttagc taggcgttgt ggcacatccc	240
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gttgtagtga gctgagattg tgccattgca ctccagcctg ggctacaaga gccaaactcc	360
gttttaaaaa aaaaatgtgg ttgctttctc tggcagctag cctcctcct gaagcagtct	420
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<210> 566

<211> 813

<212> DNA

<213> Homo sapiens

<400> 566

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ttatactagt ttgtataaac tgttcaactc ctatagctct tacgtctcac tctcagttag	180
ctggtaacag aatcttcaca gacaagtggg tgcacattcc atttatttag caatgccctc	240
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg gtgtgtatag gtttaattttg	300

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 tgtgatanga taagtgaag atangaagta catttttaac atctattcag ttagcattaa 720
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<210> 567

<211> 816

<212> DNA

<213> Homo sapiens

<400> 567

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 cactaggtac tgtaataaag aactggagaa atacagtcag atgggaagta gccctgctg 720
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816

<210> 568

<211> 825

<212> DNA

<213> Homo sapiens

<400> 568

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gcataagact atgcaataat ttttaatcat tagtattaat ggtgtattaa aagttgttgt   180
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ttcagatcac ctgatgaaag gagcaggga caggaagagg gtggtgtaaa cattataaaa   300
atttcacaaa ccatgcctat ttcattttca cttaaaactg caatgttatt ttttgggtaa   360
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<210> 569

<211> 800

<212> DNA

<213> Homo sapiens

<400> 569

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 gcttcggaga ctccagacaa tcgccttttg cctcctcgtc ggagcactcc tcggagaacg 180
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 cccttcccat cgccttcagc cccactccct gtaggatttt tttctagtcc catgtgattt 720
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<210> 570

<211> 892

<212> DNA

<213> Homo sapiens

<400> 570

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 aatcaacata caaaaatcag tagtgtttct atacaccagt aacaaactag ctttaaaaaa 420
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<210> 571

<211> 876

<212> DNA

<213> Homo sapiens

<400> 571

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<210> 572

<211> 879

<212> DNA

<213> Homo sapiens

<400> 572

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aatttctgac cttcattttt gtttcccaac cttttttttt tgtttgatat gaggggttcc 240
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<210> 573

<211> 833

<212> DNA

<213> Homo sapiens

<400> 573

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<210> 574

<211> 894

<212> DNA

<213> Homo sapiens

<400> 574

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acaaaccaac tctccgctcg ccattgtata ggctgaagta aacacagttg atgaatcatt 480

ccataggttt aaccatacat ttccaagac tcagggaaca cagtgatcta cacagagtct 540
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 aacaggaagt gaacctgggt ctctgtgaag acagaagatg aagatgagcc cangctactt 840
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<210> 575

<211> 861

<212> DNA

<213> Homo sapiens

<400> 575

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<210> 576

<211> 889

<212> DNA

<213> Homo sapiens

<400> 576

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ggattatfff tatagaccat ggaaagttac aaatgttttt aagcagagaa ttacgtcttt   840
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<210> 577

<211> 804

<212> DNA

<213> Homo sapiens

<400> 577

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<210> 578

<211> 893

<212> DNA

<213> Homo sapiens

<400> 578

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<210> 579

<211> 892

<212> DNA

<213> Homo sapiens

<400> 579

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<210> 580

<211> 887

<212> DNA

<213> Homo sapiens

<400> 580

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<210> 581

<211> 801

<212> DNA

<213> Homo sapiens

<400> 581

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<210> 582

<211> 847

<212> DNA

<213> Homo sapiens

<400> 582

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<210> 583

<211> 825

<212> DNA

<213> Homo sapiens

<400> 583

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 gcaaggaaat gtgtataatg ataaaatgga tcttacttga tttcttttaa tgaacattac 780
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<210> 584

<211> 902

<212> DNA

<213> Homo sapiens

<400> 584

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<210> 585

<211> 739

<212> DNA

<213> Homo sapiens

<400> 585

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<210> 586

<211> 783

<212> DNA

<213> Homo sapiens

<400> 586

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<210> 587

<211> 827

<212> DNA

<213> Homo sapiens

<400> 587

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<210> 588

<211> 379

<212> DNA

<213> Homo sapiens

<400> 588

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<210> 589

<211> 710

<212> DNA

<213> Homo sapiens

<400> 589

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<210> 590

<211> 813

<212> DNA

<213> Homo sapiens

<400> 590

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<210> 591

<211> 787

<212> DNA

<213> Homo sapiens

<400> 591

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<210> 592

<211> 805

<212> DNA

<213> Homo. sapiens

<400> 592

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<210> 593

<211> 826

<212> DNA

<213> Homo sapiens

<400> 593

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<210> 594

<211> 800

<212> DNA

<213> Homo sapiens

<400> 594

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<210> 595

<211> 803

<212> DNA

<213> Homo sapiens

<400> 595

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<210> 596

<211> 745

<212> DNA

<213> Homo sapiens

<400> 596

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<210> 597

<211> 764

<212> DNA

<213> Homo sapiens

<400> 597

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<210> 598

<211> 777

<212> DNA

<213> Homo sapiens

<400> 598

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<210> 599

<211> 819

<212> DNA

<213> Homo sapiens

<400> 599

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<210> 600

<211> 760

<212> DNA

<213> Homo sapiens

<400> 600

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<210> 601

<211> 828

<212> DNA

<213> Homo sapiens

<400> 601

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<210> 602

<211> 847

<212> DNA

<213> Homo sapiens

<400> 602

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<210> 603

<211> 798

<212> DNA

<213> Homo sapiens

<400> 603

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<210> 604

<211> 725

<212> DNA

<213> Homo sapiens

<400> 604

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<210> 605

<211> 723

<212> DNA

<213> Homo sapiens

<400> 605

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<210> 606

<211> 852

<212> DNA

<213> Homo sapiens

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<210> 607

<211> 868

<212> DNA

<213> Homo sapiens

<400> 607

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<210> 608

<211> 819

<212> DNA

<213> Homo sapiens

<400> 608

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<210> 609

<211> 865

<212> DNA

<213> Homo sapiens

<400> 609

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<210> 610

<211> 825

<212> DNA

<213> Homo sapiens

<400> 610

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 gaagggaggc tgtagaaaac actggattct atatttaaaa tttcattcag ttcactaatt 720
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<210> 611

<211> 869

<212> DNA

<213> Homo sapiens

<400> 611

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 gttagcactg aaagatacta atgttaagaa cagatgtcta ctgnctgatt attgggaaaa 720
 tattagtgtt tcttantaga agcaacacag ttttttttaa tactagattt ctcattctga 780
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<210> 612

<211> 866

<212> DNA

<213> Homo sapiens

<400> 612

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tgaaatggta gatataccaa caaaacttca gactgtaaaa ttgccaggat gcagttttcc 480
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taatttttta aaacatgcc aacattgtat cacaatgtta atgtgccaag atattgggtc 720
tgtcatgcag agtataagaa tgctttgaac aatttgtaga cttagtgaat taaaataaga 780
ggaaagccaa aaacaaacaa ccaaagcat atggggagct gnattttctc ttttaacttac 840
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<210> 613

<211> 684

<212> DNA

<213> Homo sapiens

<400> 613

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ggcagtagca caccctgcag gctggcttca gctctcgctc tcagggcctg agtggggaca 180
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 atccgtgccc ctgccgtgcg gaccctgcag cgattccaga caagccaccg gacccgnggg 660
 gtangcgggc antgccgggg gccg 684

<210> 614

<211> 716

<212> DNA

<213> Homo sapiens

<400> 614

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<210> 615

<211> 856

<212> DNA

<213> Homo sapiens

<400> 615

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ccaggnccta actgng 856
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<210> 616

<211> 781

<212> DNA

<213> Homo sapiens

<400> 616

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 ggcagtatac agaagccata tcagttgggtg aaaaacttta tcagttcata gagccttttg 180
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 ttgccatgag caagcacaat ttgggaatat tctactttaa aaaggctctg caagagaatg 720
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<210> 617

<211> 724

<212> DNA

<213> Homo sapiens

<400> 617

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 gaagaggaga aggctgctga cattgacctc taccactgcc ccaactgtga agtcttgcatt 180
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accagacttt ctaaccttgt ggagacaccg aagattgttc gaaagctgtc atgggtcgaa 660
aacttgtggc cagaggaatg tgnctttgag agacccaatg tncagaanta ctggctcatg 720
aatg 724

<210> 618

<211> 768

<212> DNA

<213> Homo sapiens

<400> 618

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ctgctttgct gcgccttttc ctctcccgac ctgctgagtg ccaggacatg ctaggacgtt 720
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<210> 619

<211> 866

<212> DNA

<213> Homo sapiens

<400> 619

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<210> 620

<211> 855

<212> DNA

<213> Homo sapiens

<400> 620

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tggaggtttt gatgtccagt tggtcacagt gtagagcttg tggagcttta gtttatgatg 180
aagaaattat ggctggatgg acagcagatg actcaaattt gaatacagct tgtccattct 240

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gtaaaagcaa cttcttgcct cttctcaata tagaattcaa agatttgaga ggttctgcaa 300
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caaatagaatc cttggagcac aaacctgtat ccagtttagc agaacctgac ttgatcaact 420
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tgccctactt gagtcctcta gtacttccgt aaagaacttg gaatctttgc tagaaaatga 780
aagtgatca aggtgattca tacatcttct ttcataatc aacatncaat cattttctgg 840
gaaccctngg ttingg 855

<210> 621

<211> 758

<212> DNA

<213> Homo sapiens

<400> 621

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gcatttgtgg gaactcagcg ggcctgagtg ccagccct gcggagtaca cagggtcac 660

ccacatcatg ggcccctacc cagggtaccg agatcaaaaa gangagtgtg tcctcttgac 720
ccctggggct gnatctcctt gntgggtgact tcctgggg 758

<210> 622

<211> 764

<212> DNA

<213> Homo sapiens

<400> 622

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caccgctagg ggaagggagg agaggggtgta gaaacgggga cgagggtggg ggaagggcaa 180
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<210> 623

<211> 800

<212> DNA

<213> Homo sapiens

<400> 623

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<210> 624

<211> 877

<212> DNA

<213> Homo sapiens

<400> 624

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<210> 625

<211> 794

<212> DNA

<213> Homo sapiens

<400> 625

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 tcaggcatat gtgcatata tgacagaaca tcttgacaa cagtctgaat ttgctgcaac 180
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 cttcttttct actg 794

<210> 626

<211> 744

<212> DNA

<213> Homo sapiens

<400> 626

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cccgaaagac cccaaggcag tctgcccctt gtccagccac acgccagcac ccacctcct  540
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cagatgtgtg cagggcctca ttttgcagag caaagacaga tgtttcaacc acacgcttta  660
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gccacaagtc anggaccttt gngt                                           744
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<210> 627

<211> 895

<212> DNA

<213> Homo sapiens

<400> 627

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gccgctgcct tcgctttctc ttcgttgttg cgaacgccgt ccgctcagga ggcgccccgc  180
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gaccggcgcg atgagtgcc aaggaggacca ggagatggaa ctagaagcat tacgctctat 240
 ttatgaagga gatgaaagtt tccgggaatt aagtccagtt tcttttcaat ataggatagg 300
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 aacacctcca attctatcta tgaacgcttt tttttaacaa caccatatca tcagctgtaa 420
 agcagagtat attagccaag ctacaggaag cagtagaagc taatcttgga accgctatga 480
 cctatacatt gtttgaatat gccaaagaca ataaagagca gtccatggag aatcacaatc 540
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 gaaagacatt ctttaaagag taaactgggt tcaaaaactt tcattactaa tttctgggat 840
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<210> 628

<211> 751

<212> DNA

<213> Homo sapiens

<400> 628

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 aatcagtga cctacgttga tacatcatta tttgaagncc atagcttaca ttagggttca 180
 ctcttggtat tgnacattca actgctttga caaatgtgta atgacgtgtg tctaccatta 240
 tagtaccata nagaatactt gcactgccct aaaaatcctc tgtgctccac ctgttcatcc 300
 caccctcctt cctaatecct ggcaactact gatcttgcta cttcctccat agttttgcct 360
 tttctggaat atcatagagt tgaaatcata tatatgtagt cttttcagat tgggtttttt 420
 cactttgtaa tatgtactta agtttctcca tgtcttcatg gtttgatatt tcttcttacc 480
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ttaggttttc atgtggacat tagttttcag ctgatttgag taaataccaa gaagcatgat 660
 tgggtggagta tactagtact attctaagng gttcatatgn antatctcat ttaaaccctct 720
 ttaaaccctct gggagtacca aggggaagtag g 751

<210> 629

<211> 734

<212> DNA

<213> Homo sapiens

<400> 629

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 ctttacctct gcattatact ccaaaaaacc cgtaatccca gacaatcatg agaaaacatc 180
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 ggaatgaaaa acaaggaaaa tctaagaaat ggtcacagac gagagaagac tacaagaggc 300
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 atgactcact gcagccttgg cctcccgggc tcaggcgatc ctctgcctc agcctccaga 420
 gtctctggga ctacaggagt ctcgctcttt cgctgaggct ggcttgcaat ggcacgacct 480
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 aacgtcatct cagttcccat atgagtcctg atgaaaatat gacagagaaa ttctgncctg 660
 gaccacgagc atcttttcat cttcgnatcc taacagccag caggcacttg gtgaaaaagc 720
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<210> 630

<211> 740

<212> DNA

<213> Homo sapiens

<400> 630

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agagcagaca ctgcgatgac aacggacgac acagaagtgc ccgctatgac tctagcaccg 180
ggccacgccg ctctggaaac tcaaacgctg agcgctgaga cctcttctag ggccctcaacc 240
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gagacatcag ccgccagtgg cagccccgag ggagctggaa tgaccacagt tcagaccatc 420
acaggcagtg atcccagga agccatcttt gacacccttt gcaccgatga cagctctgaa 480
gaggcaaaga cactcacaat ggacatatig acattggctc acacctccac agaagctaag 540
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cgggcctcag agagcagcgc ctcttccgac ggcccccatc cagtcacac cccgtcacgg 660
gcctcagaga gcaaccgcct ctttcgacgg nccccatnca gtcacaccc cgtcatgggt 720
ccccgggat ctgatgnccg 740

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<210> 631

<211> 478

<212> DNA

<213> Homo sapiens

<400> 631

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ccattgctca gctcaaagtg gtacagacca agtatgtgga agccaaggac tgtctgaacg 180
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agtggagtgg ggggtttcac catgttgcc aggctagtct cgaactcctg acctcgtgat 420
ccgntgcct cggncncca aagtgctagg attacattac aggcgtgagc cactgccc 478

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<210> 632

<211> 724

<212> DNA

<213> Homo sapiens

<400> 632

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tttgctgagt ttgctgaggg aagactgttt tctgttctct ctctcacaca cagagtggat   60
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cactcccagc tggcccagtt tgtgcatgag gtgaagaaga gcccctttgg caaggatgtt  180
cggctgggtct cccttggctc ccggcaggta aacagtagcc agtatttcca ccaggggcca  240
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gtgacaggct gaaccgtgtg aggagcagcc ccctccctga cctggccggc ccagcactgg  360
aaggcaaagg agaggtggcg gggcaggctc acatgtgttg gtaggatgtc atttagctgg  420
caccatcttt tggcctcttt ctttctcctt tgctgcagaa ctttgtgta aatgaagacg  480
tgaaaagcct aggttctgtg cagcttatca acgaccgctg cgtggacatg cagagaagca  540
ggcacggtag ccactgggac cgtgggtgtg ccgcagggtg tctgganaga gtgaggcagg  600
gggtggcagt gactgaagac cattaagtgt ctttcataga aagaatggca naggagaccc  660
caggttcttc ctgagtcctc tctncttggg aaaaagtgtt cctactctct gggtcantgt  720
ctgg                                                    724
    
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<210> 633

<211> 677

<212> DNA

<213> Homo sapiens

<400> 633

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gttaaaaacc aaggacctga tatcttataa ttcagtttaa gcctaataca gttcatgtaa   60
actccttttt tggcaattta acatatacat ggatcaagtt tagtaggttt agaggaaaat  120
    
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gaatgtcttg ttctgaaaaa atagcagtac cagctgagct ttggggaggt gacagattga 180
 gtcacttcac agcttaattc tgttatgaac tggccccatg ggcatggatt gtcaattagg 240
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 aagctcatcc cacttcagca cctacaacag atttgatacc ttgagcaag attggatact 420
 tttctcaaag taaatactgg gttggtaccc cagagttatg caccactgaa catggatttt 480
 aacttaaaat acttaagggc agatTTTTT tacgtagtttt cttgactaac agagcaaccc 540
 agtgcagttc ctaaagactt ctgattttgt gtagcaccag ctctgntgc attttctgaa 600
 tgaattagta ttaaaaatgg agccccaaga agctggntaa atttttagcc ttctgcattt 660
 aagctgtanc ccagctg 677

<210> 634

<211> 817

<212> DNA

<213> Homo sapiens

<400> 634

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 ctaatgtgtt atgacgtttt catcttgact ttattgatga tatattttcc tttaaaattt 180
 ttaaactttt taggtagacc cttatctctt ttatagattt tggtttcctt tttttatcac 240
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 tatttttaat gtttaaatgt ttgatccatc tgaaatttat tttgtatat ggtgtaagat 360
 ggggatccag ctataacatt ttgttcacat tggataacctg attgtgacat ttatttaaaa 420
 tgttaccat tttcaaattt ctgagccaat atcatgattt aattatagtg gcttcacgt 480
 aagttttaga atccgataaa gcaagtccca cttcattagt ttttttttc tttatataat 540
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 taatattaaa tcttagcact caagagtctt cgtacatcat tgaaatcttt tggctcttggt 720

attggaatat tcttcacgta agtatatcat anctaactga atttatttct aagnattttt 780
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<210> 635

<211> 794

<212> DNA

<213> Homo sapiens

<400> 635

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ccggtgtttc tgcattgggt acgatttgtt tcgtttcaga agaaatacgc cataaaagca 180
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atgcccata ggaagagtcc aatcacaagt gcgcaggtaa ctttgaaact tgcaacaagc 300
atgctgtcta ctatctttgg ttatcccaa agtattttgt ctgggtgtcc tcaacatcct 360
tttctgtcat ttacctcact tcttaaagat gctctccctc tcagatttct cttgttctct 420
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gaggtttgac tgtctggggt ctgtaaaagc tgacaaagtc tccatgctgc ccaacttctc 720
tgacaacaag tacttctctg tgcgacaagg ncagcttgctc aaataagatg cttcatgagc 780
atatatgnac tgnt 794

<210> 636

<211> 894

<212> DNA

<213> Homo sapiens

<400> 636

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aaggtcagat aagtagtaat tatgatgatg ccatgcagtt ttcaaagaaa agaagatatt 60
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agtctgtcat tcagtctgca ggtgtcagtg ttttgacaa tgaggcacca ttgtcactta 180
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atgaggtttt acaaagtatt ttggatcaat actccaacaa atcagaaagc cagaaagagg 300
atcctttcaa tattgcagaa ccacgagtgg atttacacac ctcaggagaa cactcagaat 360
tggttcaaga agaaaatttg agcccaggca cccaaacacc ttcaaagat aaagcaagta 420
tgttgcaaga atactccaaa tacctccaac aggcttttga aaaatccact aatgcaagtt 480
ttactcttgg acacggtttc caatttgtca gtttgtcttc acctctccac aaccacactt 540
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agctggatga tctgatagat tctcagaaga cttagagact ttatcagcct tncagtcctc 780
atctcagaaa ttgactagcc agaaggacca gaaaacttan agcttcacag gctttcagat 840
tcattctagg agttacttgc cccgatagat cctcagaaag gccttgaanc tnaa 894

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<210> 637

<211> 904

<212> DNA

<213> Homo sapiens

<400> 637

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gctcttaaat attctatttc aataaaaaca atttctatac aattgcggtg aaacttattt 180
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ataagttcct ttattgggtg tttggatgac agcaaagac tttccataag gcagatgtag 300
attttattca cacaactttt caggagtagc tttatgttaa tatgttagga ctgtccttcc 360

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ttgagcttta cagttaacca atgaaagtga gttatnttag ggaatggta gatttggaca 420
 tggacaaaa ttagttttct aatgagtggg gttaaagatg tgtaactact attacagaga 480
 taatgtaa at ggccttctac tttttaattc tctgattctg atcttgtttt gtagtaagaa 540
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 aataccaggg atatctagct tgagactcag ctagagccaa atattcaaat ctgggcatnc 780
 aacattggat tgggctcttt caatttacct tagctgggct aaacactggg ggcttggttt 840
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<210> 638

<211> 895

<212> DNA

<213> Homo sapiens

<400> 638

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 aagagtttcc cacttttgca ctaggtgttt gtagcattaa cctaagtcct ttggattgcc 660
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cttagatacc tatctgaaat gtaataagtt tgcaagttcc caatttaatt tactattcat 780
acttttaaatt agttaggaag actggaagaa gtttaaagtc aactactgac ctnatttcaa 840
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<210> 639

<211> 855

<212> DNA

<213> Homo sapiens

<400> 639

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aatttccaga actgtcctca aatagctcat ttatttaagt tttgttaaaa agcaaaagcg 180
aattgattac atttgattaa cttttcctat tccatgcaca agttacctta aaacatgata 240
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caaaatcaag agtattttga gaggatcaga agcatttaaa aatctatttt tttctagtat 780
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<210> 640

<211> 837

<212> DNA

<213> Homo sapiens

<400> 640

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ccccatttgg acatgaaata caccgtat ttt ggaaaggtaa tagatgnct ggaaactcta 780
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<210> 641

<211> 893

<212> DNA

<213> Homo sapiens

<400> 641

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gtgttacagg ggaaatgatg tgtgaggctc tacaaggaga gggctctccag ggcccacacc 240
tgagtcatgc cttgaagcaa cctcagcaca cttagcctcc cagtgattct gtgcaagtct 300

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<210> 642

<211> 898

<212> DNA

<213> Homo sapiens

<400> 642

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atagatagaa taactggaca cagaatcagc aaggaaatgg aagacttgaa caacactgta 180
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ttagctgggt gtggtggcac acgcctgtag tccagctac tcgggaggct gaggcaggag 720

aatcgcttga cccaggaact gagacggtgc cattgnactt cacctgggcg acagggcgag 780
 actcatctca aaaaaaaaaa gcctcaatac atttaaaact ggtgaaatta gacaaagtag 840
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<210> 643

<211> 744

<212> DNA

<213> Homo sapiens

<400> 643

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<210> 644

<211> 755

<212> DNA

<213> Homo sapiens

<400> 644

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<210> 645

<211> 733

<212> DNA

<213> Homo sapiens

<400> 645

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tgggagccct gactcagagc ccccgtgca gtgcctgggtg ctcatctgcg aagccatccc 540
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<210> 646

<211> 789

<212> DNA

<213> Homo sapiens

<400> 646

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<210> 647

<211> 792

<212> DNA

<213> Homo sapiens

<400> 647

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<210> 648

<211> 847

<212> DNA

<213> Homo sapiens

<400> 648

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aatgacatat ctaaagatac gtaacagcta aaattctgcc agtgagaaat tttcctgttt  180
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<210> 649

<211> 761

<212> DNA

<213> Homo sapiens

<400> 649

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gtgcacttgc tggagaggag ttgtgatcct ttgtaggaga agaggcattc tggnttttgg 660

aattttcagc atttttgcat tggatttata ctcatttca tggatttata tacccttgan 720
cttgagctga tgacctttgg aaggggtttt ttgnngggg g 761

<210> 650

<211> 779

<212> DNA

<213> Homo sapiens

<400> 650

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<210> 651

<211> 861

<212> DNA

<213> Homo sapiens

<400> 651

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<210> 652

<211> 726

<212> DNA

<213> Homo sapiens

<400> 652

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<210> 653

<211> 646

<212> DNA

<213> Homo sapiens

<400> 653

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<210> 654

<211> 735

<212> DNA

<213> Homo sapiens

<400> 654

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<210> 655

<211> 910

<212> DNA

<213> Homo sapiens

<400> 655

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<210> 656

<211> 784

<212> DNA

<213> Homo sapiens

<400> 656

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784

<210> 657

<211> 875

<212> DNA

<213> Homo sapiens

<400> 657

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<210> 658

<211> 815

<212> DNA

<213> Homo sapiens

<400> 658

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gctntgtcag gctaccctga gggatctgct ctatatgggc gctagtcctg gcactggctt  780
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<210> 659

<211> 923

<212> DNA

<213> Homo sapiens

<400> 659

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tttatttcct gtattaaggt tatttttaaa ataaggcaca tcaagttgat tggaaagggtg  360
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aatcaggaga cagaaagcac agtttccatg aacagagaaa gttgaatgta aagaaattaa 480
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<210> 660

<211> 808

<212> DNA

<213> Homo sapiens

<400> 660

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 agagtcttac ctggtcttca ccttaaaaat caacataaac gtaaaatcat caaatatgat 720
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808

<210> 661

<211> 746

<212> DNA

<213> Homo sapiens

<400> 661

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cgtggctccc tggaccagcg caaccagcgg ctcgaggttg actacagcat cgggcgggac 660
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<210> 662

<211> 864

<212> DNA

<213> Homo sapiens

<400> 662

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ggcttaatga ctggccctgc attcttcaca atatttttcc ctaagctttg agcaaagttt  60

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 acagtaactt ccagatatgt cccccaaaa atgtgaaaag agagagaaat gtctacccaa 780
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<210> 663

<211> 872

<212> DNA

<213> Homo sapiens

<400> 663

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 agattttcca gattaaaacc atttggtgaa atcatcaaag agatgttaat cctgctttag 180
 cattgatgca aagttaaaat aactgacatt aaaaaaatca tttgggaagc tttattgaat 240
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 taattcacct tcaactctgct gtagctacca gttgcaggac tagctgcatt ttggccagaa 420
 ctgcatcacc ctggaaattt taaacacact ctctctcttc tgattgccct ctttttctgg 480

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 gtatttgaac ttttaatggc tgggtgngta ctctccttag acacatttaa aactttaagc 840
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<210> 664

<211> 873

<212> DNA

<213> Homo sapiens

<400> 664

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 gtttaaaaaa aatgtactta ctcat ttgga aaaaattttt aaaattcaca ttaaaaagtt 420
 cttataaaat acccttcata aataaccact gttaaaattt tgctatgtat cattctctta 480
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 taaaatataa gtctcattaa acagtagccc attattatta aattgnctat agcttttaac 780
 ctatcttgct tacttagtaa tatgagcatc tttctatgnc atgaacatct ttatatggtg 840
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<210> 665

<211> 871

<212> DNA

<213> Homo sapiens

<400> 665

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agaggcattt tcctaaggag tatagattta tactttgcat ttccattcat catccccag   180
aatcatggtc aaggtgtagg tcaactccaca cagctgatgc tcaggttatt cccttgtgag   240
aattatgaga ataaagctcc caagatatgt gaaagtgtt aacacagtac ctggcacaca   300
gcactcaata aaagtttggc tctattatgg gatggttcaa ttctggttta aggagggaag   360
aaaggttatt atatatgtac cactaagcaa atatatatat atatatatat atttgggttt   420
ttttttccct aatattattt ggggtgtcccc tgtgcttctt taggatgtag ttataactaa   480
acctgttata ctgaacatc actaagagaa gtaaattatt atgaagctag caaaaatctt   540
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cagcttttta tggcattgaa gaatgtatct gctaagacac aaaaattgca tggtaagtat   720
aataggtgga ggaggaaagg ttgtaggccg gatgaaaatt taactgacta gaacatttat   780
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<210> 666

<211> 872

<212> DNA

<213> Homo sapiens

<400> 666

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 atgcttgncc gtccccacac aagcccttct ttttctctgg tcccgaaca ctggttgctt 840
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<210> 667

<211> 870

<212> DNA

<213> Homo sapiens

<400> 667

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 ttactcattc ttggggatag tgtgggtagc ttcagcactc attgacaacg atgcccgcaa 720
 gcatggaatc tttatatgat ctcttggagt tctatctacc ctatttatat tcctggatat 780
 cattgatggg aatgttggtta ctacttacc aaatcttcaa gggattcaga aacagccaag 840
 ccttctgtaa tggcatcaga aagcctggag 870

<210> 668

<211> 693

<212> DNA

<213> Homo sapiens

<400> 668

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 gcggtgattt gaggggcaag gtgcttagag atactcgctc gctgggggaan gggggaggga 660
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<210> 669

<211> 817

<212> DNA

<213> Homo sapiens

<400> 669

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<210> 670

<211> 667

<212> DNA

<213> Homo sapiens

<400> 670

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agtgcgcac cggacgtagg aggtggaggt tgtggaattc gccgttcgaa agcagggact   60
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ggagaaagcg cangctaaag ccgcaggtga agatgtccaa ctacgtgaac gacatgtggc 240
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<210> 671

<211> 687

<212> DNA

<213> Homo sapiens

<400> 671

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<210> 672

<211> 812

<212> DNA

<213> Homo sapiens

<400> 672

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<210> 673

<211> 882

<212> DNA

<213> Homo sapiens

<400> 673

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<210> 674

<211> 897

<212> DNA

<213> Homo sapiens

<400> 674

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 accaataccg agctgcagat tgcccagacc cagaaaaagt gtaaccagaa cagaggaact 840
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<210> 675

<211> 838

<212> DNA

<213> Homo sapiens

<400> 675

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<210> 676

<211> 541

<212> DNA

<213> Homo sapiens

<400> 676

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<210> 677

<211> 639

<212> DNA

<213> Homo sapiens

<400> 677

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<210> 678

<211> 726

<212> DNA

<213> Homo sapiens

<400> 678

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<210> 679

<211> 893

<212> DNA

<213> Homo sapiens

<400> 679

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tagagggtggc atatgatcgc atatgtatac atatatatat atatatatat atgccactta	180
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<210> 680

<211> 731

<212> DNA

<213> Homo sapiens

<400> 680

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tatttttatt tttttagagg caggatctcg ctctgtcacc caggcaggag tgcagtggca	180
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agtggnaag a 731

<210> 681

<211> 751

<212> DNA

<213> Homo sapiens

<400> 681

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<210> 682

<211> 798

<212> DNA

<213> Homo sapiens

<400> 682

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<210> 683

<211> 854

<212> DNA

<213> Homo sapiens

<400> 683

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gagactctta gattgtacta tttgcttaat agattaatga aatttatcag atacaacctg 180
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<210> 684

<211> 868

<212> DNA

<213> Homo sapiens

<400> 684

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<210> 685

<211> 713

<212> DNA

<213> Homo sapiens

<400> 685

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<210> 686

<211> 842

<212> DNA

<213> Homo sapiens

<400> 686

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<210> 687

<211> 918

<212> DNA

<213> Homo sapiens

<400> 687

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<210> 688

<211> 860

<212> DNA

<213> Homo sapiens

<400> 688

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<210> 689

<211> 784

<212> DNA

<213> Homo sapiens

<400> 689

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gcaa 784

<210> 690

<211> 911

<212> DNA

<213> Homo sapiens

<400> 690

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<210> 691

<211> 910

<212> DNA

<213> Homo sapiens

<400> 691

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<210> 692

<211> 756

<212> DNA

<213> Homo sapiens

<400> 692

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<210> 693

<211> 733

<212> DNA

<213> Homo sapiens

<400> 693

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<210> 694

<211> 745

<212> DNA

<213> Homo sapiens

<400> 694

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<210> 695

<211> 846

<212> DNA

<213> Homo sapiens

<400> 695

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<210> 696

<211> 600

<212> DNA

<213> Homo sapiens

<400> 696

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<210> 697

<211> 788

<212> DNA

<213> Homo sapiens

<400> 697

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<210> 698

<211> 785

<212> DNA

<213> Homo sapiens

<400> 698

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tctcattaac cctaggaaat gttcttgctt tctctgctta tctctttgct cttaatatg  180
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<210> 699

<211> 784

<212> DNA

<213> Homo sapiens

<400> 699

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<210> 700

<211> 787

<212> DNA

<213> Homo sapiens

<400> 700

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<210> 701

<211> 514

<212> DNA

<213> Homo sapiens

<400> 701

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<210> 702

<211> 765

<212> DNA

<213> Homo sapiens

<400> 702

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765

<210> 703

<211> 785

<212> DNA

<213> Homo sapiens

<400> 703

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<211> 783

<212> DNA

<213> Homo sapiens

<400> 704

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<210> 705

<211> 815

<212> DNA

<213> Homo sapiens

<400> 705

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<210> 706

<211> 808

<212> DNA

<213> Homo sapiens

<400> 706

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<210> 707

<211> 803

<212> DNA

<213> Homo sapiens

<400> 707

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<210> 708

<211> 799

<212> DNA

<213> Homo sapiens

<400> 708

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<210> 709

<211> 799

<212> DNA

<213> Homo sapiens

<400> 709

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<210> 710

<211> 805

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<213> Homo sapiens

<400> 710

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<211> 800

<212> DNA

<213> Homo sapiens

<400> 711

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<210> 712

<211> 797

<212> DNA

<213> Homo sapiens

<400> 712

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<210> 713

<211> 818

<212> DNA

<213> Homo sapiens

<400> 713

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<210> 714

<211> 822

<212> DNA

<213> Homo sapiens

<400> 714

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<211> 820

<212> DNA

<213> Homo sapiens

<400> 715

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<210> 716

<211> 816

<212> DNA

<213> Homo sapiens

<400> 716

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<210> 717

<211> 777

<212> DNA

<213> Homo sapiens

<400> 717

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<210> 718

<211> 819

<212> DNA

<213> Homo sapiens

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<210> 719

<211> 818

<212> DNA

<213> Homo sapiens

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<210> 720

<211> 819

<212> DNA

<213> Homo sapiens

<400> 720

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819

<210> 721

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<212> DNA

<213> Homo sapiens

<400> 721

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<210> 722

<211> 818

<212> DNA

<213> Homo sapiens

<400> 722

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<210> 723

<211> 818

<212> DNA

<213> Homo sapiens

<400> 723

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<210> 724

<211> 825

<212> DNA

<213> Homo sapiens

<400> 724

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<210> 725

<211> 820

<212> DNA

<213> Homo sapiens

<400> 725

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ttctggttac attattttgt ttgaattata caattacata attttctgta accaaaatgg   600
taattttgat ggatttttta aatgccaaaa tccaatcatc aaggccaaag aaatgcatga   660
ttactctgat ttcttatgca ccattcagtc aagacttaac tcagaggcag ttgattcagt   720
gcttacatct agacaaagct ttaatgagtg cagaccagc ctaacagtat ttcattctaat   780
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<210> 726

<211> 643

<212> DNA

<213> Homo sapiens

<400> 726

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cgcaagcaca gagctctgag gctcagcccc ctggcacagg cggtcacgca tcaggacggt 240
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<210> 727

<211> 734

<212> DNA

<213> Homo sapiens

<400> 727

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 cctctccctg gctgcagccc aactgtaac atccctagt aggctctaac atatctttat 540
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 tcctgtaatg taaaaatcca tgcttcagga ttccacaaac tcttggaag ctttttctg 660
 catccttgct tgggttttgg tgggggggna aaaaaagccc ccaaantttt tttttnttt 720
 ttcccccccc cccc 734

<210> 728

<211> 781

<212> DNA

<213> Homo sapiens

<400> 728

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gcagcagcca tgagcggcgg cgtgtacggg ggagatgaag ttggagccct tgtttttgac   180
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ggcgataaag gcaaacaagg cgggccacc tactacatag atactaatgc tctgcgtgtt   360
ccgagggaga atatggaggc catttcacct ctaaaaaatg ggatggttga agactgggat   420
agtttccaag ctattttggg tcatacctac aaaatgcatg tcaaatcaga agccagtctc   480
catcctgttc tcatgtcaga ggcaccgtgg aatactagag caaagagaga gaaactgaca   540
gagttaatgt ttgaacacta caacatccct gccttcttcc tttgcaaaac tgcagttttg   600
acagcatttg ctaatggtcg ttctactggg ctgatttttg acagtggagc cactcatacc   660
cactgcaaan ttccaagtt nccccaaaaa cccggaaaat tttggggggg gncccccttt   720
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<210> 729

<211> 772

<212> DNA

<213> Homo sapiens

<400> 729

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ggttcatgct tgaagtttta atgacaaaga atgaaaacaa tagccatgcc tttatgaaga 180
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<210> 730

<211> 730

<212> DNA

<213> Homo sapiens

<400> 730

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 ataaacaacg actgcttttt tcctgtctct tatggctgac ctttatgtat ttcttctgga 540
 aactaggaga tccctttccc attctcagcc caaaacatgg gatcttatcc atagaacagc 600
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ccttgtccaa acctgggncc ccccccaaa ttaaaccn anccctttt ttttaaacc 720
cccaaatttt 730

<210> 731

<211> 693

<212> DNA

<213> Homo sapiens

<400> 731

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<210> 732

<211> 681

<212> DNA

<213> Homo sapiens

<400> 732

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 ttctcattgt tcaattccca cctaagagtg agaacatgcg gtgtttgggtt ttctgtcctt 600
 gcgatagttt gctgagaatg atggtttccc gcttcatcca tgccctacca aggaccatga 660
 aacttcaatc ccctttttnn n 681

<210> 733

<211> 711

<212> DNA

<213> Homo sapiens

<400> 733

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 gcagaccatc ggggccgctt cgtggccaan gtgatgtcgg tcggagaccg gacttgtgaa 660

canttaaggg ttaatttttt gggggggggg naaaaaccaa acccccacaa a

711

<210> 734

<211> 759

<212> DNA

<213> Homo sapiens

<400> 734

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<210> 735

<211> 804

<212> DNA

<213> Homo sapiens

<400> 735

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 ggggatcctc atatcctctg aggcaaagca aatggcttca ctttatgtgg aaatgaattt 720
 gccagtgage tttcgtgctt ggttgacaat aaggcatcac tgagggaact aattgggggg 780
 caggtctcct tgaaggaaan cann 804

<210> 736

<211> 804

<212> DNA

<213> Homo sapiens

<400> 736

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<210> 737

<211> 806

<212> DNA

<213> Homo sapiens

<400> 737

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<210> 738

<211> 716

<212> DNA

<213> Homo sapiens

<400> 738

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<210> 739

<211> 808

<212> DNA

<213> Homo sapiens

<400> 739

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<210> 740

<211> 773

<212> DNA

<213> Homo sapiens

<400> 740

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<210> 741

<211> 798

<212> DNA

<213> Homo sapiens

<400> 741

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<210> 742

<211> 824

<212> DNA

<213> Homo sapiens

<400> 742

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<210> 743

<211> 820

<212> DNA

<213> Homo sapiens

<400> 743

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<210> 744

<211> 760

<212> DNA

<213> Homo sapiens

<400> 744

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 gcttgactca ggcggggctg atcaaaggcc atttgctggt ttagagtgtt cctatgtgtg 660
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<210> 745

<211> 820

<212> DNA

<213> Homo sapiens

<400> 745

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caagctgtgc ttgcctggca ccttaaagcc aagcaccatg gatgccactt gccatgggtg 720
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<210> 746

<211> 815

<212> DNA

<213> Homo sapiens

<400> 746

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<210> 747

<211> 784

<212> DNA

<213> Homo sapiens

<400> 747

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<210> 748

<211> 781

<212> DNA

<213> Homo sapiens

<400> 748

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<211> 781

<212> DNA

<213> Homo sapiens

<400> 749

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<210> 750

<211> 699

<212> DNA

<213> Homo sapiens

<400> 750

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<210> 751

<211> 704

<212> DNA

<213> Homo sapiens

<400> 751

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<210> 752

<211> 777

<212> DNA

<213> Homo sapiens

<400> 752

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<211> 755

<212> DNA

<213> Homo sapiens

<400> 753

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<210> 754

<211> 777

<212> DNA

<213> Homo sapiens

<400> 754

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<210> 755

<211> 764

<212> DNA

<213> Homo sapiens

<400> 755

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<210> 756

<211> 800

<212> DNA

<213> Homo sapiens

<400> 756

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<211> 798

<212> DNA

<213> Homo sapiens

<400> 757

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<211> 797

<212> DNA

<213> Homo sapiens

<400> 758

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<211> 798

<212> DNA

<213> Homo sapiens

<400> 759

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<210> 760

<211> 797

<212> DNA

<213> Homo sapiens

<400> 760

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<210> 761

<211> 798

<212> DNA

<213> Homo sapiens

<400> 761

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<211> 791

<212> DNA

<213> Homo sapiens

<400> 762

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<210> 763

<211> 801

<212> DNA

<213> Homo sapiens

<400> 763

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<210> 764

<211> 819

<212> DNA

<213> Homo sapiens

<400> 764

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819

<210> 765

<211> 774

<212> DNA

<213> Homo sapiens

<400> 765

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<210> 766

<211> 821

<212> DNA

<213> Homo sapiens

<400> 766

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<210> 767

<211> 737

<212> DNA

<213> Homo sapiens

<400> 767

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<210> 768

<211> 782

<212> DNA

<213> Homo sapiens

<400> 768

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<210> 769

<211> 767

<212> DNA

<213> Homo sapiens

<400> 769

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<210> 770

<211> 793

<212> DNA

<213> Homo sapiens

<400> 770

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<210> 771

<211> 819

<212> DNA

<213> Homo sapiens

<400> 771

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<210> 772

<211> 818

<212> DNA

<213> Homo sapiens

<400> 772

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<210> 773

<211> 762

<212> DNA

<213> Homo sapiens

<400> 773

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<210> 774

<211> 849

<212> DNA

<213> Homo sapiens

<400> 774

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<210> 775

<211> 739

<212> DNA

<213> Homo sapiens

<400> 775

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<210> 776

<211> 846

<212> DNA

<213> Homo sapiens

<400> 776

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ttgaacccaa agacatcact gctgaagaag aagaggaaga agtggaaagt cttaaaagca  180
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<210> 777

<211> 853

<212> DNA

<213> Homo sapiens

<400> 777

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gacagatcta tgcttttgag ggaagctacc tggaagacac tcagatgtat ggcaatatta  180
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<210> 778

<211> 848

<212> DNA

<213> Homo sapiens

<400> 778

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 attaattcaa ttacccttaa aacttctgaa gtaggtactc ctattatcct attttataaa 780
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<210> 779

<211> 730

<212> DNA

<213> Homo sapiens

<400> 779

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 aaaatccaaa tgtatcattc tacctgtatg aggtacttta agtagtcaat tcatagagac 240
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 agaaaaagta atagtaaaat ttagtaacta ttatttttat tgagaacctg ctgtgttttg 660
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<210> 780

<211> 786

<212> DNA

<213> Homo sapiens

<400> 780

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<210> 781

<211> 826

<212> DNA

<213> Homo sapiens

<400> 781

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cgctcgccga gacggcgacc ggactggctg ccccggaact gcggcgactc tccctactca 420
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<210> 782

<211> 843

<212> DNA

<213> Homo sapiens

<400> 782

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843

<210> 783

<211> 846

<212> DNA

<213> Homo sapiens

<400> 783

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<210> 784

<211> 846

<212> DNA

<213> Homo sapiens

<400> 784

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<210> 785

<211> 862

<212> DNA

<213> Homo sapiens

<400> 785

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<210> 786

<211> 837

<212> DNA

<213> Homo sapiens

<400> 786

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<211> 835

<212> DNA

<213> Homo sapiens

<400> 787

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<210> 788

<211> 833

<212> DNA

<213> Homo sapiens

<400> 788

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<210> 789

<211> 727

<212> DNA

<213> Homo sapiens

<400> 789

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<210> 790

<211> 802

<212> DNA

<213> Homo sapiens

<400> 790

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<210> 791

<211> 859

<212> DNA

<213> Homo sapiens

<400> 791

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<210> 792

<211> 879

<212> DNA

<213> Homo sapiens

<400> 792

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<210> 793

<211> 886

<212> DNA

<213> Homo sapiens

<400> 793

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<210> 794

<211> 883

<212> DNA

<213> Homo sapiens

<400> 794

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<210> 795

<211> 777

<212> DNA

<213> Homo sapiens

<400> 795

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aagtacatga aatatgaaga agagctaccc gntttccact tggggttcaa gtgccaagtt 720
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<210> 796

<211> 735

<212> DNA

<213> Homo sapiens

<400> 796

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ngcagcggca gcggcagtgg cagtgggtgg cggcggcggc gagccaggcg cccaagagg 660
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<210> 797

<211> 753

<212> DNA

<213> Homo sapiens

<400> 797

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<210> 798

<211> 755

<212> DNA

<213> Homo sapiens

<400> 798

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<210> 799

<211> 752

<212> DNA

<213> Homo sapiens

<400> 799

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<211> 746

<212> DNA

<213> Homo sapiens

<400> 800

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<210> 801

<211> 878

<212> DNA

<213> Homo sapiens

<400> 801

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<210> 802

<211> 422

<212> DNA

<213> Homo sapiens

<400> 802

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<210> 803

<211> 607

<212> DNA

<213> Homo sapiens

<400> 803

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<210> 804

<211> 763

<212> DNA

<213> Homo sapiens

<400> 804

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<210> 805

<211> 748

<212> DNA

<213> Homo sapiens

<400> 805

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agtgagagag aagggcagta attgaccgat ttagatatta attggtttgt tacaatctgt  180

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<210> 806

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aaatagc 847

<210> 807

<211> 768

<212> DNA

<213> Homo sapiens

<400> 807

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<210> 808

<211> 847

<212> DNA

<213> Homo sapiens

<400> 808

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<210> 809

<211> 838

<212> DNA

<213> Homo sapiens

<400> 809

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<210> 810

<211> 850

<212> DNA

<213> Homo sapiens

<400> 810

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 cggattgatc aggccagcct agactattca tacgctcgga agcngnttga cagggttgaa 780
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850

<210> 811

<211> 840

<212> DNA

<213> Homo sapiens

<400> 811

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<210> 812

<211> 799

<212> DNA

<213> Homo sapiens

<400> 812

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<210> 813

<211> 748

<212> DNA

<213> Homo sapiens

<400> 813

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<210> 814

<211> 847

<212> DNA

<213> Homo sapiens

<400> 814

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 aagatacctt tcgtctttgg ctcactgcag aagttcatcc caactttact cctattttac 240
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<210> 815

<211> 808

<212> DNA

<213> Homo sapiens

<400> 815

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<210> 816

<211> 808

<212> DNA

<213> Homo sapiens

<400> 816

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<210> 817

<211> 820

<212> DNA

<213> Homo sapiens

<400> 817

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<210> 818

<211> 821

<212> DNA

<213> Homo sapiens

<400> 818

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<210> 819

<211> 691

<212> DNA

<213> Homo sapiens

<400> 819

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<210> 820

<211> 841

<212> DNA

<213> Homo sapiens

<400> 820

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<210> 821

<211> 807

<212> DNA

<213> Homo sapiens

<400> 821

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<210> 822

<211> 872

<212> DNA

<213> Homo sapiens

<400> 822

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gtaattccag cacttcggga ggctgagggtg ggaggattgc ttgaggcctg gagttcaaga   180
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gtccgccatt cccagtaat atatgtgaaa atggctacat ttacattaag ccagatttat   780
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<210> 823

<211> 808

<212> DNA

<213> Homo sapiens

<400> 823

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<210> 824

<211> 825

<212> DNA

<213> Homo sapiens

<400> 824

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 gagccaaacc acaccatatt taaaaatagt atagataata gttatatgga gtctaccac 780
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<210> 825

<211> 820

<212> DNA

<213> Homo sapiens

<400> 825

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<210> 826

<211> 837

<212> DNA

<213> Homo sapiens

<400> 826

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<210> 827

<211> 746

<212> DNA

<213> Homo sapiens

<400> 827

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<210> 828

<211> 660

<212> DNA

<213> Homo sapiens

<400> 828

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<210> 829

<211> 818

<212> DNA

<213> Homo sapiens

<400> 829

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gcaagcatca tgataagata tgtgtgaagc ccactaggaa ataaatcatt ctcttctcta  180
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gtgtgtgtgt gtgtgtgtgt gtgtgctatg catgctctaa gtctgcatgg gatatgggaa  780
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<210> 830

<211> 901

<212> DNA

<213> Homo sapiens

<400> 830

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agactgtttt tttttttttt tttttttgca aaatgtcctt gatggtcata atgggtgtatt  180

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 caaaagaagt tattcatggt tcctaaatgg gagcttacc catcgaggta aaaatgggnc 840
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<210> 831

<211> 822

<212> DNA

<213> Homo sapiens

<400> 831

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<210> 832

<211> 804

<212> DNA

<213> Homo sapiens

<400> 832

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 aaatgtctat attgtctcaa gtgagtnaaa aaggaggcac acacatattg cttatTTTTT 720
 ctacttagtt canaaaaatg atgttgaatt gtgtgtttca ggggtgaagat gaaggtcact 780
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<210> 833

<211> 793

<212> DNA

<213> Homo sapiens

<400> 833

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                                                    793
    
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<210> 834

<211> 803

<212> DNA

<213> Homo sapiens

<400> 834

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tattttagaa agtttaaaaa atagtgaag gaaacagtga atagaaattt ttatttgga  180
aattatgtga ggcaaaaaaa gactaccca aaaggtctga gggaaaagat agggaattat  240
    
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 tactgggtat atacctgaag gaatataaat cattctacca taaaaacaca tgtaggtgaa 720
 tgttcattgc agcactattc acaattgcc aagaccntgg gaatcaancc taaaagctga 780
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<210> 835

<211> 801

<212> DNA

<213> Homo sapiens

<400> 835

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 aagagcccaa attaaagaga agggcacatg gaccctacct ttcaatggga ggagtgtaac 720

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gaaaaacacc cttnttttct g 801

<210> 836

<211> 849

<212> DNA

<213> Homo sapiens

<400> 836

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agttcagaga aacatgcaaa ggtgactaac aaaatagcta cttaccttgc agttctacag 840
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<210> 837

<211> 853

<212> DNA

<213> Homo sapiens

<400> 837

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<210> 838

<211> 874

<212> DNA

<213> Homo sapiens

<400> 838

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 ttaccaagct tgggggttct ggaacctttt ggna 874

<210> 839

<211> 828

<212> DNA

<213> Homo sapiens

<400> 839

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 attgatttan gtttgtctta accaatggtc tttttttaga atttcaggta gtggcattca 720

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<210> 840

<211> 885

<212> DNA

<213> Homo sapiens

<400> 840

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gtagatatta agtatgttaa atatgactcc atttttgtaa atcattaaca aaatgtctct 780
angtgtttgt cagcaatnaa cggnatctat atatggttat ttgattttat gtgcatgaag 840
aaaagttttg aagaatatca ttggcttgga aggaagtggg taatn 885

<210> 841

<211> 843

<212> DNA

<213> Homo sapiens

<400> 841

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cagaaggaat gaaataataa agatcagagc agaaataaat gaaatagagg ccaggaatac 180
aacagaaaag ttcaacaaaa cagagttggt ttttgaaaag gtaaacaaaa ttgacagacc 240
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ataccataga aataataaga tcataaaaga ctactctgag taaatatatg ccaaaaaatt 360
gaacaaacta gaagaaatgg ataaattcct aaaacataca acctatcagg accacatcat 420
gaaggaacag aaagtctgaa cagacctata atgagtgagg agattgaatc actaagtcaa 480
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cacttcccag attcatttta tgaggccagc attaccctta accaaagcca gataaggaca 660
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aaaatactag caaactggaa ttggaatagc accattaaaa nggagccgta caccatgga 780
tcaagtgagg atttttncct ctggaatggt aaaaaatngg gttcaacat tatgccccaa 840
tca 843

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<210> 842

<211> 742

<212> DNA

<213> Homo sapiens

<400> 842

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cccctctcct gtgccggcgt gggcatcccc cggggcagtg gaacgcgggc gctcctccag 180
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 cttatgtgcc tgnctcttct gangaactgg atcgtgccct tgccaagggt gttggggagt 720
 tcaaggatgc acttngcaa ct 742

<210> 843

<211> 636

<212> DNA

<213> Homo sapiens

<400> 843

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 tacctgcata ggatgtggag gaggcctatc tgaaaaaatg atcaattttg caattatcct 180
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 gcactataga tgattactaa gttagataat acaagattac tcctgtagct gatgacattt 540
 aagtaatgat agtgcccttt caaaattcaa aattcttttt tctttattat ttatttattt 600
 ttagtacttt cccactttgt ttttttttt tttnnn 636

<210> 844

<211> 856

<212> DNA

<213> Homo sapiens

<400> 844

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atcatggggg cagatctttc ctgtgctgtt ctgtgttag tgaataagtc tcacaagatc  180
tgatggtttt aaaaagagga gattccttgc acaagctctc tgtgcctgct accatccatg  240
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tgtgcaagtc tgaaccgtct tncctggttt tggatcatgg atcactactg gtggtctggg  780
gaatcatgcc caaanttaat gcaatactct cttaaattaa gttncctaag gcttttataa  840
cccnttttct taactt                                     856

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<210> 845

<211> 864

<212> DNA

<213> Homo sapiens

<400> 845

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tgcatacaca tattttccaa atattacata tagtttcatg taatttatag acctattaag  180

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gccaacccat tttcttggat aggggattct ttagaagtcc agcttaaata aagcccgat 240
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 agtacatgct actggaacct tttatcatgt ttcttcctgg ctfgcattac aacactgttg 360
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 gggtaagttt ctttaagaga aaattgtagt ttaaaacagg tcatgggata attagaaata 720
 atttaatttc tttagaggat tttaatcttt caactgcttg caattagatc ctaangcaat 780
 aaaaggaata aggagatttg gaaaaccatt gctgnaatct ctgaagaaaa gtggacattt 840
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<210> 846

<211> 767

<212> DNA

<213> Homo sapiens

<400> 846

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 ggagttcaaa gccagcctgg ccaacatggc aaaacctcat ctgtattaaa aatacaaaaa 180
 ttagccaaat gtggtggtac acgcctgtaa tcccagctac ttgggcatct gattcacaag 240
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ggagctttct gtcaatgatt cctggagttc accttgggaa cagagctggt gactgttctc 660
gtgagctgct catctggccc cagtgttgcc atctaaagga aaatttaaca ggagaacctg 720
taggacagaa naatgatgaa agtnnaacag gagatgatag tgtcaca 767

<210> 847

<211> 868

<212> DNA

<213> Homo sapiens

<400> 847

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cttttttcat gaaaagctag ttattccaaa taattagctt tttcataaa aagctagtta 180
ttcaaataa ttagcttttt tcataaaaag ctagttattc caaataatta gcttttttca 240
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gtaataataa gtggccacat tacaaaatat aggttgtttc agcttgcaaa attaaacaac 480
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cagctgaatg aagaaatfff aaaacctggt tccatatatt acaaatcatg agccaggact 600
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tgcatattaa gagaattgca ttcataaata gtcaagatat actaaaaatt ggcatttgaa 840
attgaagcac tagagtgttt aatngatg 868

<210> 848

<211> 746

<212> DNA

<213> Homo sapiens

<400> 848

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gatcagggtc cactgcacct tgacctctg ggctgaaact gcctcctgcc tnacttccgn 720
atgcctaccc ccaacttnac cccaca 746

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<210> 849

<211> 837

<212> DNA

<213> Homo sapiens

<400> 849

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gagccagagt ttgagatcgc tcttggtgct caagctggag tgcaatggcg cgatctcggc 360

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<210> 850

<211> 772

<212> DNA

<213> Homo sapiens

<400> 850

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<210> 851

<211> 714

<212> DNA

<213> Homo sapiens

<400> 851

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ttccaagcat ttttatagtt gctagcactg ccatggtgaa caaatttcta ccacttcac 180
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<210> 852

<211> 866

<212> DNA

<213> Homo sapiens

<400> 852

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gaataattga aacactagtt tcttaaaatt tctgttaaaa ttggttaaag gccatagaat 180
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<210> 853

<211> 847

<212> DNA

<213> Homo sapiens

<400> 853

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<211> 698

<212> DNA

<213> Homo sapiens

<400> 854

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<210> 855

<211> 755

<212> DNA

<213> Homo sapiens

<400> 855

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<210> 856

<211> 793

<212> DNA

<213> Homo sapiens

<400> 856

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<211> 834

<212> DNA

<213> Homo sapiens

<400> 857

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 tgtggcaatc tggagcaatt tctcatagt actatgaaat ataaatgggtg agatttccaa 240
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<210> 858

<211> 751

<212> DNA

<213> Homo sapiens

<400> 858

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<210> 859

<211> 832

<212> DNA

<213> Homo sapiens

<400> 859

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<210> 860

<211> 841

<212> DNA

<213> Homo sapiens

<400> 860

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<210> 861

<211> 858

<212> DNA

<213> Homo sapiens

<400> 861

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<210> 862

<211> 863

<212> DNA

<213> Homo sapiens

<400> 862

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<210> 863

<211> 861

<212> DNA

<213> Homo sapiens

<400> 863

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<210> 864

<211> 877

<212> DNA

<213> Homo sapiens

<400> 864

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<210> 865

<211> 874

<212> DNA

<213> Homo sapiens

<400> 865

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<210> 866

<211> 820

<212> DNA

<213> Homo sapiens

<400> 866

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<210> 867

<211> 871

<212> DNA

<213> Homo sapiens

<400> 867

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<210> 868

<211> 822

<212> DNA

<213> Homo sapiens

<400> 868

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<211> 818

<212> DNA

<213> Homo sapiens

<400> 869

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<210> 870

<211> 738

<212> DNA

<213> Homo sapiens

<400> 870

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<210> 871

<211> 872

<212> DNA

<213> Homo sapiens

<400> 871

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<211> 863

<212> DNA

<213> Homo sapiens

<400> 872

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<210> 873

<211> 588

<212> DNA

<213> Homo sapiens

<400> 873

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<210> 874

<211> 888

<212> DNA

<213> Homo sapiens

<400> 874

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<210> 875

<211> 852

<212> DNA

<213> Homo sapiens

<400> 875

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<211> 800

<212> DNA

<213> Homo sapiens

<400> 876

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<210> 877

<211> 817

<212> DNA

<213> Homo sapiens

<400> 877

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<210> 878

<211> 859

<212> DNA

<213> Homo sapiens

<400> 878

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<210> 879

<211> 870

<212> DNA

<213> Homo sapiens

<400> 879

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<210> 880

<211> 704

<212> DNA

<213> Homo sapiens

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<210> 881

<211> 734

<212> DNA

<213> Homo sapiens

<400> 881

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<210> 882

<211> 817

<212> DNA

<213> Homo sapiens

<400> 882

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<210> 883

<211> 763

<212> DNA

<213> Homo sapiens

<400> 883

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<210> 884

<211> 771

<212> DNA

<213> Homo sapiens

<400> 884

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<210> 885

<211> 845

<212> DNA

<213> Homo sapiens

<400> 885

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<210> 886

<211> 827

<212> DNA

<213> Homo sapiens

<400> 886

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827

<210> 887

<211> 783

<212> DNA

<213> Homo sapiens

<400> 887

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agc 783

<210> 888

<211> 740

<212> DNA

<213> Homo sapiens

<400> 888

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<210> 889

<211> 839

<212> DNA

<213> Homo sapiens

<400> 889

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<210> 890

<211> 769

<212> DNA

<213> Homo sapiens

<400> 890

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<210> 891

<211> 773

<212> DNA

<213> Homo sapiens

<400> 891

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<210> 892

<211> 749

<212> DNA

<213> Homo sapiens

<400> 892

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<210> 893

<211> 745

<212> DNA

<213> Homo sapiens

<400> 893

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<210> 894

<211> 833

<212> DNA

<213> Homo sapiens

<400> 894

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<210> 895

<211> 814

<212> DNA

<213> Homo sapiens

<400> 895

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<210> 896

<211> 818

<212> DNA

<213> Homo sapiens

<400> 896

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<210> 897

<211> 810

<212> DNA

<213> Homo sapiens

<400> 897

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<210> 898

<211> 816

<212> DNA

<213> Homo sapiens

<400> 898

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<210> 899

<211> 814

<212> DNA

<213> Homo sapiens

<400> 899

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<210> 900

<211> 819

<212> DNA

<213> Homo sapiens

<400> 900

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<210> 901

<211> 808

<212> DNA

<213> Homo sapiens

<400> 901

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<210> 902

<211> 812

<212> DNA

<213> Homo sapiens

<400> 902

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<210> 903

<211> 757

<212> DNA

<213> Homo sapiens

<400> 903

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<210> 904

<211> 729

<212> DNA

<213> Homo sapiens

<400> 904

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<210> 905

<211> 840

<212> DNA

<213> Homo sapiens

<400> 905

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 ggtgaaaccc cgtttctact aaaaatccaa aaaaaaaaaa aaaaaaaaaa aaaaattagc 180
 cgggtatggt ggCgggcgcc tgtagtccca actagtcggg aagctgaggc aggagaatgg 240
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<210> 906

<211> 838

<212> DNA

<213> Homo sapiens

<400> 906

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 tgcatgtttg tctgtttaaa attgaggtat aattatgtaa actaaaaat catctatttt 240
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 aatatatata tattttactg ttcaatttga tgagtttcag caattttata tatctttgtt 600
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 tttttccagt cgatactgcc ccttcccact agtaatcatt cttctgactc ctctcactgt 720
 agatttgctg tgcctgttca tgaatggaat catacaatat ttggtctttt gngtttggct 780
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<210> 907

<211> 838

<212> DNA

<213> Homo sapiens

<400> 907

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 agtttctcat gacaagaaaa atggatttca gtcagctata atatcagtat ctataatcta 180
 tttctcggtg aacatatttg tacatatata cgtttatatt tctaatttaa cagatgtcct 240
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<210> 908

<211> 786

<212> DNA

<213> Homo sapiens

<400> 908

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tggttctaga cctcttccta taaattaatc cctctgttt tagatctcac accctccaac  360
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gcctgg                                           786
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<210> 909

<211> 836

<212> DNA

<213> Homo sapiens

<400> 909

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 tcctttaata ttccaaatca agtcttgaaa cagtattcca acatgaaatc ttatctcctt 780
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<210> 910

<211> 832

<212> DNA

<213> Homo sapiens

<400> 910

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 aactgtgtgc ctgggaattt tcttctcgct gtgtgcaccc ctttacgtca cagggtggac 240
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 gtgtgggaga acttgtgcac gtatctcccc tccgaatccc aacgatgggt aacgccagct 420
 ttggctccaa ggaacagaag ctgctgaagc ggttgcggt tctgcccgcc ctgcttatcc 480
 tccgcgcctt caagccccac aggaagatca gagattaccg cgtcgtggta gtcggcaccg 540

ctggtgtggg gaaaagtacg ctgctgcaca agtgggcnag cggcaacttc cgtcatgagt 600
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 ccctgcacat accgcagcaa gagtggcgac ggcaaccgag ctctgcanag ccacgttata 720
 cccgggccac gccttcgtcc tggntacttc agtcaccaag aaggaaaccc tggaagagct 780
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<210> 911

<211> 830

<212> DNA

<213> Homo sapiens

<400> 911

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 aattgaaaaa tataacctgt acaatattta aactggcttt aatattactt aattatcaca 540
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<210> 912

<211> 475

<212> DNA

<213> Homo sapiens

<400> 912

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catggtgaaa ccccgctctct actaaaaata gaaaaattag ccggtcatgg tggcacacgc  420
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<210> 913

<211> 740

<212> DNA

<213> Homo sapiens

<400> 913

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tggaccacta cctaaaaaga acagatcatt caaacgtgtc ttttgaatat ttctgtcatc 660
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<210> 914

<211> 742

<212> DNA

<213> Homo sapiens

<400> 914

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<210> 915

<211> 721

<212> DNA

<213> Homo sapiens

<400> 915

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<210> 916

<211> 728

<212> DNA

<213> Homo sapiens

<400> 916

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<210> 917

<211> 711

<212> DNA

<213> Homo sapiens

<400> 917

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<210> 918

<211> 741

<212> DNA

<213> Homo sapiens

<400> 918

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<210> 919

<211> 744

<212> DNA

<213> Homo sapiens

<400> 919

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tacccccaaaa cttaatggct taaagcaact attatttctc ctgattctgt ggttgactgg 480
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 gactaccggg tctcactcca gaagaggctt cttcagagca tggtagtctt ggggttctaa 660
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<210> 920

<211> 742

<212> DNA

<213> Homo sapiens

<400> 920

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<210> 921

<211> 745

<212> DNA

<213> Homo sapiens

<400> 921

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aagaaatgag gatgaaaatc agtaggaaca agccatatta agaaagtata ttgactattt 660
taaagtaaca gactgtgtgt tcattttattc ttttgggtcat tcttgagttt tcttattcac 720
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<210> 922

<211> 739

<212> DNA

<213> Homo sapiens

<400> 922

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 tgataagccc catgatggat gaaggtaga attcaaagac ctggttgag tcctagatgt 660
 ggagacagga tgatcaggtc acacttgta gatgactaac actatcagta gaagcttnc 720
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<210> 923

<211> 727

<212> DNA

<213> Homo sapiens

<400> 923

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 tacacatgtt agattccaaa ttcttttaaa atgctttcct gatttaataa caaacagcat 180
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<210> 924

<211> 743

<212> DNA

<213> Homo sapiens

<400> 924

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<210> 925

<211> 721

<212> DNA

<213> Homo sapiens

<400> 925

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 tccgtttaca gtgccagtaa aggaggatta gttggatttt cacgtgctct tgctaaagag 660
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<210> 926

<211> 813

<212> DNA

<213> Homo sapiens

<400> 926

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aatatataca attataattt gcaatttaca atttaaaata aaaattaaaa agaattgat 780
ggttctgtaa ataaattagt taattcaaaa can 813

<210> 927

<211> 811

<212> DNA

<213> Homo sapiens

<400> 927

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<210> 928

<211> 813

<212> DNA

<213> Homo sapiens

<400> 928

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<210> 929

<211> 814

<212> DNA

<213> Homo sapiens

<400> 929

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<210> 930

<211> 816

<212> DNA

<213> Homo sapiens

<400> 930

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<210> 931

<211> 656

<212> DNA

<213> Homo sapiens

<400> 931

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<210> 932

<211> 810

<212> DNA

<213> Homo sapiens

<400> 932

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<210> 933

<211> 309

<212> DNA

<213> Homo sapiens

<400> 933

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<210> 934

<211> 806

<212> DNA

<213> Homo sapiens

<400> 934

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<210> 935

<211> 692

<212> DNA

<213> Homo sapiens

<400> 935

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<210> 936

<211> 814

<212> DNA

<213> Homo sapiens

<400> 936

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<210> 937

<211> 773

<212> DNA

<213> Homo sapiens

<400> 937

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tataatcatc gactgagtca cctgaatcct tttggaacta gatgggagta aacacaccca 660
caaataagtg cttatcaaga gtattccatt tcccgctatt actcaaggct gcacanattt 720
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<210> 938

<211> 835

<212> DNA

<213> Homo sapiens

<400> 938

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tatcaatgaa gatgattttg gtgattttgg tgactttggc tctgccagtg gctcaactcc 300
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gcactttcca catttttagtg aaccaggtga tgactttgga gaatttgggg atataaatgc 420
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 tgcttttga gaccacaggc tactgaatct catcatcgaa aggaagcctg gcagtcacat 780
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<210> 939

<211> 740

<212> DNA

<213> Homo sapiens

<400> 939

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 gcagagacgg ggtctccctt tgtgcccagg ctggtctcaa actcctggng tcaagcaatc 720
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<210> 940

<211> 745

<212> DNA

<213> Homo sapiens

<400> 940

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<210> 941

<211> 803

<212> DNA

<213> Homo sapiens

<400> 941

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tcgaggccag atcttgaaga tactcacagg gaagatagtg gtggggcatg ccatccacaa  180
    
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cgacttcaaa gcccttcagt actttcaccc caagtcctc acccgtgaca cctcccatat 240
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<210> 942

<211> 731

<212> DNA

<213> Homo sapiens

<400> 942

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 atttattcct tcttttaaac cagaatttct ggctgtaat tttactgaga aatagaaata 180
 ctatctttac aataggatgat attctaactg tctctacagc atgatggctt tgcagctatt 240
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 ttcgtgaact gaaatttaca taggtatttt ttgtatgcc aagccatact gccaatgtca 480
 gaactagaac ttgaacccaa gttgtgactc tcctttacca cttgatcagg agtttctgta 540
 tttagccaag taacttgtaa gatcttcaca tgctttcttt tagtgggatt gccagcaaa 600
 gtgcttatca ngtgatgatc ccagtgaagt atgtcacagt tatgcagtaa cttangctg 660

ctgtaatacn gagatacatt gaagtcatta gtacttttca gggccccaaa tggatcttta 720
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<210> 943

<211> 742

<212> DNA

<213> Homo sapiens

<400> 943

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tcctttccgc cccacttaa ggcacccagt cctggctggg ccctggacac attgctgaga 180
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ggggccttan gtaagggttt gctacttnag ccccttcgta gactaattct gggntggctt 720
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<210> 944

<211> 745

<212> DNA

<213> Homo sapiens

<400> 944

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tttgagagtt tacatcagaa agaaaacagc aaatgacatg atccaaactt gataaaggac 180
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ggaggtcaga ggagatgggg gccggctctg ctggcccgca cgagcactct ggggtgcagaa 720
ggccaaangt gggangtcan aagaa 745

<210> 945

<211> 508

<212> DNA

<213> Homo sapiens

<400> 945

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cctgaacaaa cactctggca ttgacttcaa acagcttaac ttcctgacga agctcaacga 420
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attacttgct tngtacctgn nttaagtt 508

<210> 946

<211> 798

<212> DNA

<213> Homo sapiens

<400> 946

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aagtgaaacc tcatgccttg gaattgccag ataaacattc cttggccttt gttgtacgca 180
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<210> 947

<211> 829

<212> DNA

<213> Homo sapiens

<400> 947

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<210> 948

<211> 766

<212> DNA

<213> Homo sapiens

<400> 948

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agggtggcgcc ttgacgaggt ctttttagag ctcaaggatg gtcagcagat tcctgtgttc 720
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<210> 949

<211> 838

<212> DNA

<213> Homo sapiens

<400> 949

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<210> 950

<211> 804

<212> DNA

<213> Homo sapiens

<400> 950

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gcagcaganc tgggtgaaag tcggggcggg aggtccgcgt ggggcgcggc gtccattcca 720
gacagagacc gcttgctacc gggttcccgc tttgtccntg ggcttgggnc caaaacctt 780
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<210> 951

<211> 850

<212> DNA

<213> Homo sapiens

<400> 951

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 agagcctgga gttcctacaa aggaagaact tggtttgata aaccaaattt taatnggaac 780
 aaaccagccc aagcttttca anaagaaggg tcaattttgg gaaatgaaaa tnccaagctt 840
 gaactttaaa 850

<210> 952

<211> 833

<212> DNA

<213> Homo sapiens

<400> 952

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 aaaatgtaaa tacattttta taaccaatgt tttgatctta ttgaatgtta ctttgaaaat 660
 gtataactat tgcctgcaat gtagatgagc ctttagtag agctgattta ttccagtaac 720

ttcttccata ttttctcact aatctccgtt agccaaaata tgccagaaat gggaaagaga 780
ggagaaaagg cattacatta acacctatct ggnctatcta ctcctanccg ggn 833

<210> 953

<211> 757

<212> DNA

<213> Homo sapiens

<400> 953

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tggcttagag cccaccttct tcacctgtac aacaaagcac tcactagaga ttggccatta 180
tcattatcaa cattattatt aattattatt attattatta ttcagccagg agttaagtta 240
tgaagggact catatttgaa ttatgaagga actcaaaatc ccacagtcac ataaaccagt 300
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acaaaaaaaa aaaaaaaaaa aaaaacaaac aaacaaacaa aaaactaatt aattaattaa 600
ttggctgggt atgggtgtgc aagcctataa tcctagctac tcaggaggct gaggtgtgag 660
gatcaagaag atcaaggctg cantgagcta tggcatgccc tgnactccag cctgggtgac 720
ataggtagta gacctgctca aaaaagaaaa gaangaa 757

<210> 954

<211> 818

<212> DNA

<213> Homo sapiens

<400> 954

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 aaaatctgtt ttcaggctca cctaattggtt gttggttaagc ctcagttctt caccacgtgg 480
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 atatgagtgt gtgaatacca gattggggtc catcttgagc gctgggtcca gttgcacagc 720
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<210> 955

<211> 719

<212> DNA

<213> Homo sapiens

<400> 955

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 agggaaacca tctttgtatg gcagcctgac ttgtcaagga attggcctag atggcatccc 180
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cctgagtggg ggaatggatg cccagctgaa gatatggatg gctgaagatg ctagctgcgt 540
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 gaatgtggtg tctgcttctc gagatgggac agcacgactt tgggattgtg ggcncctaac 660
 ctgcttgga gtccttgag aatggggntc ttctatcaat ggaattggcn gtgggtgct 719

<210> 956

<211> 777

<212> DNA

<213> Homo sapiens

<400> 956

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 tcttaccctt aaaagaaata ctctgtgtca aatggaaaac tatgttcctc attctaata 120
 ccaggataac cacagtcctc tttggaatag cattttaaaa gttgcaacat ggttatgaca 180
 cacttgcttg tcagtgtctt aaaactaccc ttcacaagga agcagagtat cctcgittcc 240
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 ggggtgcccc tgacacaaca gctggccact gggccttcg gcacccaccc tgtctatgca 600
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 tatcngctg gactgatgaa tgggggtgcc tggtaggnc ccaacctttt cacagagttc 720
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<210> 957

<211> 832

<212> DNA

<213> Homo sapiens

<400> 957

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actgttttaa tgggttataa aacttgtgtg aagaagattg gccttctcca cctctcctgt	120
gaaataaatt gtttgaaaac tctttgaaga gaaatggctt cagtatatgt ttctatctct	180
gctaccccaa agcccagaga acaaatatta agtataaatt gctaggctag gtatgtcata	240
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atattgccga ggttgaagac acactaggga aaagagacac aagctacagt atgatctatg	360
gcccctactt tctccaaaga ggattttgag ggcttcagta tttaaagggg aaaagtaggc	420
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gctttgattc acactcactg aatccatgtg ttgcacgtgg caaggaatgg gtagaggaac	540
agtcgattat gtatgtcccc tgctcagtaa aactgcactt taaaaagat aaacagaata	600
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ctcttgctcc atacttgggg aggccacctg gggagacatg gcctcttgta gctatctgtt	720
taggaacaaa aggaaagaca gtgttctgtg acccactttc aagcttaact tttccctttg	780
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<210> 958

<211> 798

<212> DNA

<213> Homo sapiens

<400> 958

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ttaaataatg ctccaattct atgtgttcag tcccatcttg gttacacaga aatggtagcc	180
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catctggagg ttgtcaagtt tttgattcag tgtgactgga cgatggccgg ccagcagcaa 420
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 gtgatcgctg ctctgaataa taaggagatt aaactccatg aagcacttta ctcaaattgcc 660
 aaagtccctc aaattatagg tatagaaagg tgccaagtig gaaaggaccg tggaaatgat 720
 ataattattc tccatgtttt cctnctgtt taacagacag tggcaccaan gctcaaagag 780
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<210> 959

<211> 812

<212> DNA

<213> Homo sapiens

<400> 959

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<210> 960

<211> 825

<212> DNA

<213> Homo sapiens

<400> 960

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aagccaaaat tgacaaatgg tatctaatta aactaaagag cttctgcaca gcaaaagaaa  540
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ctgacaaaag tataatatcc agaatttaca aggaagttaa acatatttac aagaaaaaaa  660
caaccctgtc aaaaaatggg caaaggatat gaacagacac ttntcaaaag acattcatgc  720
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<210> 961

<211> 765

<212> DNA

<213> Homo sapiens

<400> 961

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 cgaagactta gatgtaggcc aaaacaatat tgagactata taatcaagcc ccaactncta 720
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<210> 962

<211> 608

<212> DNA

<213> Homo sapiens

<400> 962

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ttcnggga

608

<210> 963

<211> 714

<212> DNA

<213> Homo sapiens

<400> 963

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tacttttga agttgaattg tgaagccacc tttgtgagca gtatattact gtctatactt 180
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gtttatttaa cagtccccgt gtacatgggt gacaagctat gaaatatcta gtctttanat 660
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<210> 964

<211> 776

<212> DNA

<213> Homo sapiens

<400> 964

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ggttatatgg ttaataagtg gttaggatta gtaactaggc cagacccttc tatggcctgt 180
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 gaaaaagtag tgagaaacta gagctttttc ttttctgggtg ttagtttcag cticctacct 360
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<210> 965.

<211> 736

<212> DNA

<213> Homo sapiens

<400> 965

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<210> 966

<211> 854

<212> DNA

<213> Homo sapiens

<400> 966

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gaaaagaaaa aaagaactgc aatgagcaat ctaagcttct acctaaagaa actagaaaaa 480
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<210> 967

<211> 461

<212> DNA

<213> Homo sapiens

<400> 967

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<210> 968

<211> 805

<212> DNA

<213> Homo sapiens

<400> 968

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aataacttca gtttttgtcg agaggaaatg ggtgaagtgt taaaaagttc aacattttca 420
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<210> 969

<211> 543

<212> DNA

<213> Homo sapiens

<400> 969

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<210> 970

<211> 445

<212> DNA

<213> Homo sapiens

<400> 970

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<210> 971

<211> 841

<212> DNA

<213> Homo sapiens

<400> 971

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<210> 972

<211> 821

<212> DNA

<213> Homo sapiens

<400> 972

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<210> 973

<211> 868

<212> DNA

<213> Homo sapiens

<400> 973

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<210> 974

<211> 807

<212> DNA

<213> Homo sapiens

<400> 974

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<210> 975

<211> 834

<212> DNA

<213> Homo sapiens

<400> 975

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<210> 976

<211> 745

<212> DNA

<213> Homo sapiens

<400> 976

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<210> 977

<211> 814

<212> DNA

<213> Homo sapiens

<400> 977

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<210> 978

<211> 812

<212> DNA

<213> Homo sapiens

<400> 978

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<211> 811

<212> DNA

<213> Homo sapiens

<400> 979

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<211> 810

<212> DNA

<213> Homo sapiens

<400> 980

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<210> 981

<211> 746

<212> DNA

<213> Homo sapiens

<400> 981

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<210> 982

<211> 808

<212> DNA

<213> Homo sapiens

<400> 982

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<210> 983

<211> 812

<212> DNA

<213> Homo sapiens

<400> 983

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<211> 808

<212> DNA

<213> Homo sapiens

<400> 984

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<211> 808

<212> DNA

<213> Homo sapiens

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808

<210> 986

<211> 787

<212> DNA

<213> Homo sapiens

<400> 986

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ctaagctctt tggcaactac tcccgggata agcccatctt cctgcggctt gaggattatt	180
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<210> 987

<211> 840

<212> DNA

<213> Homo sapiens

<400> 987

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 gattanggtc atgtgaaagt acttttagagg aaatgagact tttgagaaca tcatccctga 720
 agacgttgaa acactgagtt acctcatgga taatttaata gggatatgcag ctgatttttc 780
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<210> 988

<211> 412

<212> DNA

<213> Homo sapiens

<400> 988

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 ctagaaggaa gaaaattcaa tgcttagagc cttacctatt gaaacggatc tagggagcag 240
 ttaaaagcca tgaatatatt gatataaaat caagaaggcc aaaaattagt tacactgagt 300
 gttcaactca aaaagctagt aagagagcca ggtattaaaa ttttaaaaca acancagtaa 360
 aacgtatgga agtaaataat aaaagtaaag gcagagggtca atgaatatat at 412

<210> 989

<211> 840

<212> DNA

<213> Homo sapiens

<400> 989

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tncaagatgc cagctcattg tcaagaaaca ttttagaaaa agaaaggga cttcagcaac 780
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<210> 990

<211> 780

<212> DNA

<213> Homo sapiens

<400> 990

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agaggtcagg ttttaagagaa gtagcaacat acttctatta tttacatggt gatttttttt 180
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<210> 991

<211> 838

<212> DNA

<213> Homo sapiens

<400> 991

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 gaatattaca tgaaaatttt caaacattaa aagcagaaga taattttgaa gacatcataa 660

ctaaaccacc tgttcgaaag tttgtcatga gaaggaaatt atggcagaag atgatcaggt 720
 ggttcttatg aagctacagt cccttttagc aaagcaacca ccaactgcag cttggaaggn 780
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<210> 992

<211> 714

<212> DNA

<213> Homo sapiens

<400> 992

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 tcatgaggtc aggggtacctt ccactgtgct tcatgaggtc aggggtacttn cactgtgctt 660
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<210> 993

<211> 793

<212> DNA

<213> Homo sapiens

<400> 993

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 ggctatctca gacagtttta cggaaaatat ttcttacaga gacagaaagg attnccaccc 720
 agttaaatgg ttcattctct gngatttgcc ctgcaangga gctcatctgg tgttgaaaag 780
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<210> 994

<211> 839

<212> DNA

<213> Homo sapiens

<400> 994

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 gcaacgctac aatcctacat ggacccggcc caagggaatg tgcccgtact ggangaaaag 780
 canggttgtg caagcctntt tggcttggtg ggaattgcag cttataaaca cttccagac 839

<210> 995

<211> 760

<212> DNA

<213> Homo sapiens

<400> 995

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 taacgtttta ttgccctgct gttttctcca ggataattgg aacagcatgt attggttggg 180
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 cagaagcagc atggaggaaa agagcactgg aattcangct gaggaactgt gaagcccaag 720
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<210> 996

<211> 842

<212> DNA

<213> Homo sapiens

<400> 996

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gctaattttc agatttcctt ttttaaaaaa ccataatgtt cctgcagtaa gttttaaaat   780
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<210> 997

<211> 747

<212> DNA

<213> Homo sapiens

<400> 997

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ggtgtttgtt ctccttaaat agaggaagaa ctgttttatg agttaatgtg agattatattt 240
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<210> 998

<211> 708

<212> DNA

<213> Homo sapiens

<400> 998

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<210> 999

<211> 823

<212> DNA

<213> Homo sapiens

<400> 999

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gagcctgctt cccctcctcc caggggggaa aacctccacc ctgatccctc cccctgggga   180
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<210> 1000

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1000

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<210> 1001

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1001

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aaccagaaga tccgcaagac tttcgtgcag aggaacatgt ttgagttcaa gcacatnaag 660
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<210> 1002

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1002

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<210> 1003

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1003

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<210> 1004

<211> 550

<212> DNA

<213> Homo sapiens

<400> 1004

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gttaccgact gtgttgctgc tatgaacccc gatgctgtgc tgcgagtagg aggagcagga	240
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gtaancactg 550

<210> 1005

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1005

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<210> 1006

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1006

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<210> 1007

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1007

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<210> 1008

<211> 792

<212> DNA

<213> Homo sapiens

<400> 1008

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792

<210> 1009

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1009

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<210> 1010

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1010

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<210> 1011

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1011

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<210> 1012

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1012

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<210> 1013

<211> 657

<212> DNA

<213> Homo sapiens

<400> 1013

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<210> 1014

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1014

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<210> 1015

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1015

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783

<210> 1016

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1016

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<210> 1017

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1017

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<210> 1018

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1018

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aaagcccaca aggctgttat ttctgcacgg tccccatttt ttcgaaattt attacaaagg  480

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 cangctctcg tcgcaggga gccaacatg accagggcag aagaagccat gggaacttta 720
 cccatagcac tggctcttga atttaacatg cttgcacaag gctgtgagga tatcattgct 780
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<210> 1019

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1019

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 gtagtcttca ccttttgcaa agattttttt ttttaagtac tacctctcct ttttgatcaa 540
 ggcagtatgc aatctttgta ttagtgtatt ttcagaaaca tcaattagat gtttaacttg 600
 nttccttttt taaatgcttc acagataatt nactagatta tttttaacaa acaattcaaa 660
 gcttgaatta ntgaaacttc aaaaccgatt g 691

<210> 1020

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1020

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tcctgagtag ctaggactac aggcatttac taccagccc agctaatttt taaattttgt  180
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gaatcaagcg atccgcctgc cttggcctcc caaagtgttg ggattatagg cgagagccac  300
cacatccggc cttatttaat taattcacca aataaagtct agaaagagaa tattggaaaa  360
tataaaaatc tgcagcagta ttattcaata atactgctgt ttaacgaaaa aacagacttt  420
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cctctgaaaa gaagtcatta gatcccagtt tcagaaatgc agatttaaaa caagtagttc  660
aaaaatctct ttcactttgt gttgatgaga actacaaaan gaacttaagt aatacttttt  720
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<210> 1021

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1021

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gtcntttttt ttgtactttg gtcactattt agaaagggtg atcagttaga cacaggccac   60
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tgatgaaagg catttaaccc tagagcatgt acaaagctga gtcgcaagtc tcagaaatag  180
tgtcctaaag tgatgtattg gccctcagagg gaattcgtat gtacttatac acaaattcac  240
cataatgaat gcaccaaadc atacttttaa atgcccaaat aattcatatt cataaatttt  300

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tcattttgag cccctagata ttttttaate aaaaccata ccactatcca ttcatcttcc 360
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 cttctacttc tcatgtccat aggataagca aaagaaaaaa aatctgaaac acctgagttg 480
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 aatgttggct gtggaaaaag aacatttcca cattttgctt ggccattggt tctggaaaatc 780
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<210> 1022

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1022

aaaatacaat tcctaaggca atatctgctg gtaagtcaag ctgataaaca ctcagacatc 60
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 acaactataa atacatattc ttgggtgtca taatcaagaa agagggtgact tctgttgtaa 180
 aataatccag aacacttcaa aattattcct aaatcattaa gatattcagg tattcaccaa 240
 tttcccatg taaggtagtg tgtgtacct ttatttctgt atttctaaaa gaagaaagtt 300
 ctttcctagc aggggttgaa gtctgtggct tatcagcctg tgacacagag taccagtgta 360
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 tgtggtgttt gtttccatcc ccaaggcaaa caaggaaagg aaaggaaaga agaaaagggtg 480
 ccttagtcct ttgttgcaat tccatttcca tgccccacaa ttgtctgaac ataagggtata 540
 gcatttggtt ttttaagaaa caaaacatta agacgcactc attttatata aacacgcttg 600
 gaggaagggg actcagggaa gggagcaggg agtgtggggt ggggatggat tatgatgaaa 660
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<210> 1023

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1023

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tgacctggac cacaggggct tcagtaacag ctacctgcag aagttcgacc accctctggc   60
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ccagttggaa gggcacaata tcttctccac tctgagctcc agtgaatatg agcaggtgct  180
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ggcagctgca tctgaagatt gagcactggt caccctgaca cgctgtccca cctacagatc  720
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<210> 1024

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1024

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 gctggcatca gacactcttc accttccgga cccaagacc ccaacagctg cccatcatca 660
 gtgtggacaa ccttccttct gcctcatcan ggaagcagta ccgcttgga gttggacctg 720
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<210> 1025

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1025

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 aagagtcagtg tgttttaaaa aaacctatca aacgagtata taaaaaattt gatccagttg 180
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 cttcagactc ctctagttag ccgaaatctg gatggccttc tgcatttcag aagccaaaag 360
 gacgattgcc atatgaactt caggattatg ttgaagatac atcggaatac ctagctcctc 420
 aggaaggaaa ttttgtttat aagttattta gcctgcaaga cctgttggtta ctggtacgct 480
 gcagtggtcca gaggatagag acaagaccac gttctaaaaa acggaagaaa atcagaagac 540
 aatttccagt ttatgtacta caaaagtag agtatcaagc ttgttacgga gttgaagctc 600

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 cagaagaatt aaaagaaaag ctttcagcac tcaagaattc caatttattt aacatccttc 780
 aacacattct aaagaaacta agtagcttgc agganggttc ctacttggta tctcatgcng 840
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<210> 1026

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1026

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 cacctcaaaa attattccac agtttggatg ttagtattag gtattatata agaatttccc 180
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 cagcatcctc ctctggaggc cagcatcttg caagactact tattccttga aatacactgt 360
 ggaaaaaaca ctgatgtcag gggatattga aataaactca ctgcatgcgg catacccttc 420
 aaagacattt ttcctccctt tggaacagtt gaaattcaaa tgacatatcc tagcatgatt 480
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<210> 1027

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1027

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aagtgactat ttccattccc tttcatgtat ttgccttgtc tggaagactt tgattatgtg  180
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caaatccagt gtttgcttta ctgtatcaca ctgtgcaacg cttgtgttga tcaactgtgag  360
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aataatatta ttataacgtt taggcgtaga actgtggcaa agccaacagc ttctctgaca  720
tgtgcaggat ttcctcatat ttcagtctgc aatactagag cctgactaaa accggcaggt  780
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<210> 1028

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1028

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tctgaagttg attctatcgt caaagaaaaat atttcagtat aaagcatgta gtttatacca  180

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agaagccttt ttaaacttaa ggtctctttt ttcataacat gtacatataa attttaaaag 240
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 ccaaagctgt gccctttaaa tggcaatgic atatttgcca ggactaacat acttcatttc 780
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<210> 1029

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1029

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 caacataggg agaccccatc tcttaaaaaa aaaaagataa actaaaaata aattaattaa 600
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aactttgtta ggggagctgn tttcccttgn gttggccaat tctgcgagtg gtaagtgatt 720
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tccaaaagta anc 854

<210> 1030

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1030

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tacagtaaaa tncagcacca agaattgtaaa attcacaatg gncagtatct agtcagaatt 780
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<210> 1031

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1031

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aaagagactt g 851

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<210> 1032

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1032

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tttgtatata cacacaaata taaataaaca cacttgtaag atatataaag acatcaaatt 180

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<210> 1033

<211> 656

<212> DNA

<213> Homo sapiens

<400> 1033

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<210> 1034

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1034

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tctgcgtttc tgctatatgt gattgtggga tattaatTTt tgaggttgac tttagtgcaa 600
agcaaaaggc ttccagaatg tcctgacatg cagattctgg atttaaggcc caaaangggg 660
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<210> 1035

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1035

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gctTTaatga tttatggcaa actcatacta gccttgatca gagaggtgac cctggcagtt 60
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gttcctatcc aagatggcca ctaaattgca ctcttctat tttaccctc tggagaatgg 180
taaaaagcat gatttgcaaa tattgtcaag tccaaagtgt gtttctaaac tactaagcta 240
gccaaatgca tctctatatg ttacaatgtt ctgcagatgt gaaaaaatcc ttccggggtt 300

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tatgaaagtg agaatgatat gcatcttttag ctgcctcttg catccggcac gtcacacagt 360
 gtggtcagtc cagtcaggct gcccgagcca cagattccca gcggcttcat ttgtcagaca 420
 agctgacagg tgttggtcag gaaaatactg atcaagttgt ttttgttgtt gttgttttga 480
 gacaggggtct cactctgtca cccaggctgg antgcanngg 520

<210> 1036

<211> 675

<212> DNA

<213> Homo sapiens

<400> 1036

agatagcatg tgtaattaat ttttaatgca gtgctggatg cagcgctttc aagcagttag 60
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 ttctccttta aagggactcg gaaagtggca gaggaggctt gcattgccct ctgtgtggag 180
 cggactggcc cagaaatggg ttcttctcgg gtgacctgag gtcaagtcag tctataacaa 240
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 aaccaaggca gagagtgggg atgaagccat gacacatggg tggcagagct gactcatacc 360
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 ggtgccttgg acttcagctc tgctatctgc agtgggagcc caccagacac atcctgggtt 600
 tgagactctg gggttgtgct ttgacagctg gctgccctgt cccttggtng gggggggggg 660
 ggnccctttt tnccc 675

<210> 1037

<211> 660

<212> DNA

<213> Homo sapiens

<400> 1037

aaacacagag agaaattgtt aagtggaagt gagagctcat ccaaaaaaag acagagaaag 60
 aaaaaagaaa agaagaaatc tggtaggtat tcatcttctt ctcatcaag ctctgattct 120
 tccagcagtt ctcttgattc tgaagatgag gataagaaac aaggaaaaca gagaaagaaa 180
 aagaagaacc gttactgaat cagacagtaa ggatagttta aaaaagaaaa agaagtcaaa 240
 agatggaact gagaaagaaa aggatattaa aggactcagc aaaaagagaa agatgtattc 300
 tgaagataaa cttttatcat ctgagtcctt gtcagaatca gagtatattg aggaggtgca 360
 agcaaaaaaa aaaaaaaaaa aaaaaacccc acaaagtcaa aagacaagtt tgaaaaatgt 420
 ttacagctcc acaaagatag acaaatttcc ttgatgtatg aaaaatgtca acaaaccaat 480
 aaaaagacta acaattcagt agaaaaatgg acaaagaaca aatatggaga ttcatagaaa 540
 tgagagataa atgtcatgat gagaagggtga ggtgctcact tgatttataa gagaaatgaa 600
 aattaaaact acaccagatg ccatttttta aaaacctatt acattgngaa aaaattttnn 660

<210> 1038

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1038

agtgttccgc gtccgggggt ttgtgggagt tgccttgacc tgcagctccg ccaccgcgga 60
 cccgccttct gccctcagca gcagacgctc tgtcccgccc gggcagctct gcgaggcagc 120
 ggctggagag ggaacatgg ggactgtgca cgcccggagt ttggagcctc ttccatcaag 180
 tggacctgat tttggaggat taggagaaga agctgaattt gttgaagttg agcctgaagc 240
 taaacaggaa attcttgaaa acaaagatgt ggttgttcaa catgttcatt ttgatggact 300
 tggaaggact aaagatgata tcatcatttg tgaaattgga gatgttttca aggccaaaaa 360
 cctaattgag gtaatgcgga aatctcatga agcccgtgaa aaattgctcc gtcttggaat 420
 ttttagacaa gtggatgttt tgattgacac atgtcaaggt gatggcgcac ttccaaatgg 480
 gttagacgtt acctttgaag taactgaatt gaggagatta acgggcagtt ataacaccat 540
 ggttggaac aatgaaggca gtatggtact tggcctcaag ctctctaate ttcttggtcg 600

tgcagaaaag gtgacctttc agttttccta tggaacaaan nn

642

<210> 1039

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1039

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ccctgaaggt ccaggagtac ccgaccctca aggtgcccta cgagacgctg aacaaacgct 120
ttcgcgccgc tcagaagaac attgaccggg agaccagcca cgtcaccatg gtggtggccg 180
agctggagaa gacgttgagc ggctgccccg ccgtggactc cgtggtcagc ctgctggacg 240
gcgtggtgga gaagctcagc gtcctcaaga ggaaggcggg ggaatccatc caggccgagg 300
acgagagcgc caagctgtgc aagcgccgga tcgagcacct caaagagcat agcagcgacc 360
agcccgcggc ggccagcgtg tggaagagga ggccgatgga tcgcatgatg gtggagcacc 420
tgctgcgttg cggctactac aacacggctg tcaagctggc gcgccagagc ggcatcgagg 480
acctagttaa tattgagatg ttcctgacgg ccaaagaggt ggaggagtcc ctggagaggc 540
gtgagacggc cacctgcctg gcctggtgcc atgacaacaa gtcccggctc cggaagatga 600
agagctgcct ggagttcacc tcagaatcca ggagttcatt ggaaaaaccc ttttncnaaa 660
tttttncccc cccggggggg g 681

<210> 1040

<211> 655

<212> DNA

<213> Homo sapiens

<400> 1040

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aatataattt gaagccctac cattttctag gaattctgcg agaacctagg gaatagatag 120

gactacattg attttgtcat catgggattc tggaaacatt caggaggagc atctcatctc 180
tagcctaggg tgtcagaaag aacttgagta atcaaggatt gggctctaaa ggacaagtga 240
acatgtgcag gtgagaacat tctaaaatga agggacttga acaaaagcaa agccatgtta 300
aacagcttgt acttcatctg taggtagatc agtaaccact caggggtttt aatcagggaa 360
atgatcttct cagatttggc ttcatatgaa tctctctatt tgccttatgt cacagcatat 420
attaggagat catcagagta gtccagacaa gcaggaatga agataagcat ttggaatcta 480
gaaatgatta cattaaaaca ggcctagaca caaaccacca cattttttgc cagaaaggca 540
tagaaacaaa ttgtattagt gcttgccagg ttctgggagg agttggagat ggagaatgac 600
tgctaattggg tataagattt ctgtatagtc tgnctctcatg ccttggnctt ttaaa 655

<210> 1041

<211> 665

<212> DNA

<213> Homo sapiens

<400> 1041

aaataaaaat aaatcactat gccaatgtgg gagttatgat catctctgtt tttaaaaatt 60
atctatgcaa gcatggggca taacctttgt tatagctctt tcaactgcatt ttttggtctt 120
atttcccaa taaaatagag aaacaatatt ttaaggaatg tattgtcccc ttagctttct 180
tattttgcct tttcaggaac tatttgcgtt tgcggtattg cttaactatg aaatgctaga 240
attcataacc cactatcttc atttctcca ggctagtagc ttaataacat gaagaaaaat 300
tgattcttgt agtacctaaa atgacatttt ctgcctacat aacctgttaa tccagttttg 360
agttcccat acattttcat cgtcagtggc aagccagatt aatttatagt ataatcattc 420
aaaaagttta gtttacagat tttaaagttg cttttcatat caattttatt tatgctgnnt 480
ttatatattaa attgctttct atgtgagtca tccatgtaat tttcatccaa actgaaatta 540
acctttgcgt aatttctgct ttcttgaaac tactttttct ttgatgatt aaatattgta 600
tgattactgg agttggtgat tgctaactac tganagtcag tgggnncccc ttttaaaaaa 660
aaaaa 665

<210> 1042

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1042

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cagagatcat gtgacttgca tgtggcctag agataaaatt caaatctggt tctgtagact 60
ccaggacat attcaccatg ccatgggtgg tggctattaa accttgataa atttgtgttt 120
atggttaaca aatgtgaaag ctattaaaca ttgctggttt gaatttttta cagtgcagaa 180
atgtaaaatg aaaaaggata tttcctttca cagtgttacc gagaagtcac gataatttcg 240
tttgttcttc cagatttagg catatactta tttaatcaat aatgtgttaa cagctgacac 300
ctgtggttgc tgtgacaggc actatttgaa gtgctttatc atggattaac tcttaatcct 360
cagctaccgt ataaagtagg acataacccc attcacatg cactacactg agacttgcct 420
cctctcccc caccattgaag atgttctttt tttcataact atatactatt ccattgcatg 480
aatattctgt aatttattta atcccctatg gattgataat taggttcatt atagatagaa 540
gtgtaattaa cattcctgta catgtatttt gctacttgtg tgggtatttc ttaggatga 600
ataactagaa atttattgga tcaggtttca catttgcagt ttttttttgg ggaaaaaaaa 660
aaaaaaaaacc ccttttnaaa nccntttttt aaaaccccc cccaaaaaaaa a 711
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<210> 1043

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1043

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attcaaaact gtggattcca ttccagcaga thtagctaaa atgggggggc aggagaaaac 60
tgtggaatag ggaaggtttt ttctaaggct tcattattgt gccagtctca agttgaaaag 120
aggctacatg attgtacatt caagtcttat gttttcctat atttgaaaaa taaaacatt 180
tataaaatat atgcaatgtt tactgggtgc ttttctcgt attagtgtt taaagcaatt 240
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gaagaaaata aatatttcag tataaaaagg agcaaatgta tatgaataag tacttaagag 300
 aaaaaaattt tagtgacagc tttaatgggt gataattcgg tacccttcag ttcacccatt 360
 taaagtatac aattcattga tttttattat agtcacaaat gtgtacaact gttaccaaaag 420
 tgaatttgat aatTTTTTTT ttatcacctc ataaagaacc ctgtaccctt ggccaggcac 480
 atttgctcat gcctgtaatc ccagcacttt gggaggccca ggtgggcgga tcacttgagg 540
 tcaggagttc gagaccagcc tggccaacat ggtgaacctt gtctctacta aaaataaaaa 600
 aatgagccga gtgtggtggt gggcgctgt aatcccagct tacccttttt tggggggggg 660
 gnaaaaaggg ggggnccnt ttttaaaaaa 690

<210> 1044

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1044

atTTTgcccg ttagttgatg cagattcttc ataatgtcaa tggcctttac aatttggtat 60
 gTTTTgcag tggctggtac tgctttttcc tttttgtatt tagtgcttcc ttcagaagat 120
 cttgtaaggc aggactggtg gtgacaaaat ctttcagcat ttgcttttct gtgaaggatt 180
 ttattttctcc ttcacttatg aagcttagtt tggctggctc tgaaattctg ggttgaaaat 240
 tctttttctt aagaatgttg tgccaggcac cgtggctcat gtgtgtaatc ccagcacttt 300
 gggaggctga ggctggcaga tcacctgagg tcaggagttc aagaccagcc tgaccaacat 360
 gggaaaactc catctctact aaaaatacaa aattagccag ctgtggtggc acatgcctgt 420
 aatcccaact acttgggagg ctgaggcagg agaatcgctt gaaccagga ggtcaggttg 480
 cggtgagccg agatcttgcc atcactctcc agcctgggca acaagagtga aactccatct 540
 cacacaaaaa aaagaatgtt gaatattggc ccgcactctc ttctggcttg tagtgtttcc 600
 gcagagaaat ccactgttag tctgatgggc ttccctttgt gggggaaatt ttaaaaaaac 660
 ccccccccc cnggggaaaa accccccccc cttttttttt ttttncccc 710

<210> 1045

<211> 645

<212> DNA

<213> Homo sapiens

<400> 1045

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ccatgcacac aatttaaggg ggaatcaaaa agctaagtaa tccagataaa tgttatttat 60
tgtaatgcaa taaaaatatt caaaataagg ctaaaatcta tgctgaagaa aataccacaa 120
ttttaaaaga agattaatag ggaacgtgga ggtatTTTTT ctcttgacat gagtgggtgca 180
ttgtatgcac atttgTTTTT cactgggctg cgtatttaca tttagtgaat ttttctatac 240
atatattcta tttcaaaaaa ttgcaaaagg aagtaaaaat ggacacaggc aggctcttaa 300
tttcttgatga tctttgctta agtcttatgt ttctgtcctg tactgaaaat ttcttctagt 360
ttctttttaa ttctaacatt tgttttatag aacaacaatt atattgccaa ataaaatctc 420
cagtgatTTT gatagtaggt ttagattggt catcagaaag ttggctctgt gtttctctat 480
atcttggcac ccaaattgtc aatttaactc caggtaccca ctgtcttat ggctctgggt 540
catacgcagg caattaacct tcattataat ggttgggtca caatagaaca attatctagt 600
tgattgctct agtgtaaag tagtcataaa tatgcatgg tnnnn 645
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<210> 1046

<211> 664

<212> DNA

<213> Homo sapiens

<400> 1046

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ggggggcccg ggcacaagca gttgagggaa ggagactgtg cccctcctgg ctcccaagtc 60
ttcaaggaga agattctccc aggaaatctg acctcagaag acacctcctt ggggcctctc 120
tgctgtcaca gccatgccac cttagagctt tgtaaagcct gcaaagggt ctttaaaaac 180
ttcaagccag ggcagtggtc tcacacctgt aatcccagca ctttgggagg ctgaggcagg 240
cggacacttg agcccagggg ttcacagctg cagtgaagct cggtcatgcc actgcactcc 300
agcctgggtg acagagtaag acctgtctc acagaaataa gtctaacttt aattgaaatg 360
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ctgtagcang ctgagcgcag tggctcttgc ctgtaatccc agcactttgg ggaggacaaa 420
 gtgggcggat cacctgaggt caggagtctg agaccagcct ggccaacatg gtgaaacccg 480
 tctctactaa aaatacaaaa attagccagg tgtggtggtg tgcacctata gccccagcta 540
 ttcaggagac tgaggcagga gaatcgcttg aacctgggag gcggagggtg cggtgagctg 600
 agatcatgcc actgcactcc agcctgggca acagagcgag actttccccc ggnnnnccct 660
 tttt 664

<210> 1047

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1047

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 actaaggtta actcctcact ctctatggac ggctactctc tatttccaag ggcgtgaaga 120
 atttccctct tctcctgtgc tttcatctaa aagtctctcc tggataatta tcattgcagt 180
 ggagtgcctg gattggacat cctcatctgg gtcaactaaa aaaagaaagc atgcaagacg 240
 acagcataga agcttctact tccatatctc agcttctaag agagagctat ttagctgaaa 300
 ccagacatcg gggaaacaat gagaggagtc gagcggagcc ctctccaac ccttgccatt 360
 tcggcagtc tttctggggc gctgaaggag gcggaggcca agatgacctt ccagatcttt 420
 cagcctttct gagccaagaa gaattagacg aaagtgtcaa tttggcaaga ctggccatca 480
 attacgaccc tttggagaag gcagatgaaa ctcaagctag aaaacgactt tctcctgac 540
 agatgaaaca ctcacctaatt ttaagttttg agcctaactt ctgccaggat aaccctcgaa 600
 gtcccaccag ctctaaagaa agcccccagg aggcaaaaag gccacagtat tggctctgaaa 660
 cccagtccaa aaaagtattt ttaaataagg ctgccgactt cattgaagag ctatcctcct 720
 tttcaaatcc acagcttcca aaggattaga cctcgtgcct gcaaaaaccn caagagtnaa 780
 ctggaatctc aaaacaaagt atgcaggaaa cagctcagtt ctaaactgta gaagacnaga 840
 agactttgtc catcc 855

<210> 1048

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1048

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cactgagaat atggggtaaa tacttggaga caagagagag acaaatgtcc tagtttccaa   60
aaaggaataa agtatattgc aaaaacccaa gaccaattcc ctactttaaa ctgtggtaaa  120
atttgaagag attgtaaaaa aatgaaatat tgtgtttaga agagaatggg atgatcacca  180
tgaatcaata tgaatttata agaataagac atgccaaaat gacctcattt tttttttgct  240
ttatTTTTtag ttgtataatt gctattggat tagagaatag taaagacatg ttgtatcttg  300
actttcgcca agtgggttgac agtgtttcct taactatcct tgtggaaaca tgatgaaatt  360
agattgtaat tagattgatt tacagctgct tgcctggcca ttgccatgcc cgcattgcca  420
gcgttttagtt aaataatagt tactttatat actgggtcct cacagagaac tgggtggtgaa  480
cattaatttg catatattca gaaagtatgg attttagatt aacgagtttt ttttaaggatt  540
tgtatgttga aacttgagtt cctggattta ttcatgattg aggtttctgt tagggacttt  600
tttgcaacca agctgtattt gtaagatata taaatctgnt ttttaatttac atatgtaacc  660
ttgacttata aattacttag aagccaaggc gtaatattag catttagagc aaagtctggc  720
tatgttaana atgctaacgt tatgaagaat cttttctttg gtcagtaacc actatngtaa  780
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<210> 1049

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1049

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aattgatggc atcttaatct tgggtgcagc caagcagtag ttgtaacaca gtcttcattg   60
cttgtgctgt gcatcatatg tcttgagtt aacctatagg gattaagtgg tagtgtttag  120

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ggggtgtggc aggaggtgag tttacataa acctccaagc aggagtcaaa agtagacaag 180
ctctatataa ttacaccct gacttaagaa tctagcatca agtagctttt gtttctttta 240
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gaaaaccaga caatgacact gaaattaaaa gtgattcacc agagtcagac tctgaaagtg 360
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tgttgatga tctcatttaa agtgcttcta ataaatatat aaaatttata agtgaccaag 480
cgttatgtta gttaaacaga agtatttttc ttagtatggg gaaaaaatgg ctatacaatc 540
tggccagacg tgggtggctca gtctataatc ccagcacttt gggaggccga ngcgggcgga 600
tcacgaggtc aggagatcga gaccatnctg gctaacaccg ggaaaccctg tctctactaa 660
aaaatnc 667

<210> 1050

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1050

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taccctataa ctatgagtat tactgggtatt cttattggcc acttgacacc aacacaagtg 120
gggggcctta tacccttaa gaagaggaaa tatatagaaa aaagtggcct ggagagaaac 180
ttgtccctg aatttccaat atatgtccaa actgatgact ggggtgagaa agatctattc 240
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aaaagatact ggtagggtctg cagagaaaag ggaatgctta tacactgttg gtgggaatat 360
aaattagttc agccactatg aaaagcagtt tggagatttc tcaaaggact taaaacggaa 420
tcgctgttca acccagtaat ctaattagtg ggtatatatg caaaagaaaa caaatcgttc 480
taccaaatac acacatgcac tccatgttt actgcaacac tattcacaac agcaaagaga 540
tggaatctac ctaggtgccc atccatgggtg gattggataa gtaaatgtg gtacatatat 600
actatggaat attacacagn caaaaaagg aatgaagtca tgtcctttgt agcaacatgc 660
atgggtgctgg angtcactat cctaagtga ttaacnca 698

<210> 1051

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1051

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gtaaatttaa acagaaaatt atttagcagt ttccattttc aaatgtcctg cttagaaaaa   60
aaagataatt gaggccagga ttattaaaca tacaggacat cttttttgca aaccagatgg  120
gatggatcatg ataaataaat gcttactgct gtatttcact gcttgtctgt gcttctttgg  180
ctataggcta aaaacatgga atgctctctc ttgcctaagg acacaaaatt gtgcagtaaa  240
caagggttca aataaacctt tggctctgaac aatttgagca gatgcttatg tttggatttc  300
caaacacctg ccaattactt tgaagtcaaa tagacctcat aacttccagt agggttaaat  360
gtagtcaagg tagcattaaa aattaatgag taagcctgga taatatgggtg aaactctgta  420
tctacaaaga gtacaaaact tagttgggca tgggtggcatg caccacacgt accagctacc  480
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gtcacgctac tgcactccag cctggcatga cagagtggga ccacgtctca agcaaaacan  600
aacaaaacan aacaaactaa tgagttaata aatgaggtan agagaaacag attttggaaa  660
tgccgat                                           667

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<210> 1052

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1052

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aagtgcggac gcccggtccc cggcgtggac gccatgggtgc tgtgcccggg gattgggaag   60
ctgctgcaca agcgcgtggg gctggccagc gcctccccac gccgtcagga gatcctcagc  120
aacgcgggtc tcaggtttga ggtggtcccc tccaagtitta aagagaagct ggacaaagcc  180

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tccttcgcta ctccgtatgg gtacgccatg gagaccgcca agcagaaggc cctggaggtg 240
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 atcgtgacag tcggggggct gattctggag aagccggtgg acaagcagga cgcctacagg 360
 atgctgtccc ggttgagtgg gagagaacac agcgtgttca caggtgtcgc gatcgtccac 420
 tgctccagca aagaccatca gctggacacc agggctctcg aattctacgg ggaaacgaag 480
 gtgaagtctt cggagctgtc cgaggagctg ctctgggaat acgtccacag cggggagccc 540
 atggacaaag ctggcggcta cgggatccag gccctgggcg gnatgctggt ggagtccgta 600
 cacggggact ttctgaacgt ggtgggattn ccgctgaacc actttttgna agca 654

<210> 1053

<211> 903

<212> DNA

<213> Homo sapiens

<400> 1053

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 cggccgcccc ggtgcccgcg cccgtggcgc tatggaggcg gcgctgctgg ggctgtgtaa 120
 ctggagcacg ctgggcgtgt gcgccgcgct gaagctgccg cagatctccg ctgtgctagc 180
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 tttataaatt aagtaaaatc aagttttataa tctttaaagc caaaggtttt tttaaaactt 840

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<210> 1054

<211> 686

<212> DNA

<213> Homo sapiens

<400> 1054

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cattccgggc cctaaaacag ttttttttagc tcgtcagcta tcgttaatgt taatgtatct 180
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atgaagtgtg agtaaataaa aaggttcata tgttattaga actaatcatt ttgatgttat 480
gcatagtgat tactagaata attcccagag tttctttgac agagacgtca cattagttta 540
acttaccaaa acagacagaa gaaatagaaa acttgagtag tcctattaag gaaataaaat 600
aattgaatct tttctacaaa gaattattcca gacctagatg gcttcaatgg taaattctgt 660
gaaacattta agaaaaacan annaca 686

<210> 1055

<211> 680

<212> DNA

<213> Homo sapiens

<400> 1055

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<210> 1056

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1056

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 ccttagcctc cccagtagct gggactacag gcatgcgcca ccacactcgg ctaatttttg 180
 tatttttagt agagatggag tttcgccatg ttgaccaggc tgggtctcaa ctcttgccct 240
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 gagacccctt cacatggctt ctctgtcttt acagcagtga gctgcatggc ctgcatggct 600
 ggtggcactg gntcccactt aagnagcat cactggatca tggagacagt gtgaacaccc 660

ccacaaaggn cttagcctg ccattcacct tctttccatc tcttttctca acctgcttcg 720
cagnacctgn ttggcttggt tcccattgaa aatcaagcag gtagtcacat agatttcatt 780
aattaacccc aaaataagna tgact 805

<210> 1057

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1057

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ttctgtgcag caggctcctg gcccagggag tgcggtgtgc ggcagagtgc gtgcagggaa 180
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gggaagcacc ctctgaaatc gtgcagggaa gcaccctgtg aaatcgtgca gggaagcacc 360
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gtgcagggaa gcaccctctg aaatgcctag aaatagctgc cgggctttca cttggttccc 480
aaattttctt aaaggtcaaa accatcacag tgggcaactt tacaccccag tgttcaactgt 540
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ttcggtgagg tcaccctgga ngggagtccc aggaatcagc ctgatgttca gaatgccttt 660
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<210> 1058

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1058

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aagttcttgg gttcagtgc agacttgaaa cctgacatgg tticattaga ttgtagaaaa 180
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tcactgagca aggtgaagtac cagcacttac agagacggag tcataaaggc tgctctctaa 660
aagtaganga tgtgcaaaac ctgtagtacc atttaacaga tttttgacct tggttaattat 720
gtcattttga aactggaata aatatgtaat ccgaagggtg atttttctga ccaaaagtaa 780
gtcaaggcca aagttttttt aaagnntact ggttggattc ttgnggggtt ttca 834

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<210> 1059

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1059

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aagtgaagc tgaaccgagg gtactgtggt gggagcagag agggctggat aagaaagaca 180
tgacagggcc gggcgcggtg gctcacgcct gtaatcccag cacttgggga ggccgagtgg 240
ggtggatcac aaggtcagga gttcaagacc agcctggcca agatggtgaa accccacctt 300
tttcaaatga tgtatctcag gggagaaaaa agagactcca tgttttcaaa gtttttgctt 360
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ccatgtgact gaggatgaaa cagtctcaga ttaaacagac ttctcaaggt cacgcattgt 480
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 acaaaccaaa caaaacaacg cacttcagac tcttttgaa acctttgaaa ggaacttgat 660
 ttctgtgtgc ttgaaagta tatattgcaa tcaaggtatt ggtgggtaag tgtgtttttg 720
 angnttgta caaattaacc aaaattatat gnet 754

<210> 1060

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1060

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 gctggcggcg gcattagcga ggaggaggcg gcacagtatg accggcagat ccgcctgtgg 180
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 gatcacgaac aggtaactcc agaagatccc ggagctcagt tcttgattcg tactgggtct 360
 gttggccgaa atagggctga agcctctttg gagcgagctc agaatctcaa ccccatggtg 420
 gatgtgaagg tggacactga ggatatggag aagaaaccag agtcattttt cactcaattc 480
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 cacaaaaata gcatcaagtt ctttacagga gatgtttttg gctaccatgg atacacattt 600
 gccaatctag ganagcatga gttttagag gagaaaacta aagttgccaa agttagccaa 660
 ggagtagaag atgggcccg caccnagaga gccaaacttg attcttctga gacaacgatg 720
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<210> 1061

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1061

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ctaagacccc taccacacac ctcaaagtaa cttgaaatac attatgctcc cagtgtggtt   60
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ttcacagaca agccaatttc ttttaagtat tgctctatca gactctgaaa ccagttctac  180
cagaagggtt cttggtaatg aatgttaatg agcagacaag tatcctttct ctgacagagg  240
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ataagatagt aaagccataa gaacagcact tgnatgcttt ttgnattcta agaatatgag  720
aaaaataatt caggggaacc tttatctgaa anggatataa ccatgtcctg gatggaatac  780
tgcgaa                                         786

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<210> 1062

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1062

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tgtcgacgcc gctgccaccg cctgcctgag agaagtcgtc gcggccgacc ccgtcgccctc   60
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cggctcggga cggagacgaa accagacaaa gggtaagtt tacagatgac cgtgtctgca  180
agagtcacct tctggactgc tgcccccatg acatcctggc tgggacgcgc atggatttag  240

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gagaatgtac caaaatccac gacttggccc tccgagcaga ttatgagatt gcaagtaaag 300
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 cggaagtttc tgcaaaggca gaaaaagtac atgagttaaa tgaagaaata ggaaaactcc 480
 ttgctaaagc cgaacagcta ggggctgaag gtaatgtgga tgaatcccag aagattctta 540
 tggaagtgga aaaagttcgt gcgaagaaaa aagaagctga ggaagaatac agaaattcca 600
 tgccatgcac cagttttcag cagcaaaagc tgcgtgtctg cgaagtctgt cagcctacct 660
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<210> 1063

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1063

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 acacctcctt ttctcctttc tcttaaattc aaagacgttt gctttggaat gccctcactt 540
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 cccaaatgca tcaatttctt tttagttatg gctgattttg ggtgtgtgtg tgtaagacat 660
 gcagtcaaca acgagatgaa ggccattgca tagatctcat gcngatagtg atggattcag 720
 aaagtagggg ccagtggcgn cactancttc ttgtaagcca gtatacactg gctatttggg 780

g

781

<210> 1064

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1064

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ggcctttttt tttttttttt tttcggagat ggggttttgc tatgttgccc aggctggtct   60
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tacgcaccac catgcccagc ttgtgtgggg tttcccttga agatcagtct caaggttgct  180
gcttgaccgg tgagcagcag gattcagacc tagatgtgtc tgactctggg atcctttcac  240
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tgccctgccc cttttccatc ttggagtttc tgaagcccca gtgggctgtc cactctgtgc  360
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tggccccagg gcaggctcct cccaagcggc tggattctct tctcttcggg gaagcacaag  720
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<210> 1065

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1065

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tgggtacctg ttgtctgagg ttattgctg tctataacctg tgaaatttac ccagtgtcag 180
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<210> 1066

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1066

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 aacatgatca ctttaaata gaagtgagta ctgttctggg caggtgaagg gtaaaaggag 180
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 cttgagatat agactgggct ttatcataat tagctgtgtt acccttaggt aagtgatttt 420
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gc 722

<210> 1067

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1067

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ccaccagggg ccatactgct cctttcgcca caactttgtc ctgctcgtcc aggccttggg 180
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ggcccagcac tggaaggcaa aggagagggtg gcggggcagg tccacatgtg ttggtaggat 300
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cn 782

<210> 1068

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1068

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gcaatgtttg aacaaactcg aaggacagct gtggaagaa gtcgcaaac actggaagca   180
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<210> 1069

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1069

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aaaaatgcca atattcaatc atcatgcagc attataacaa gccttataag tcctaaagca   180
ttaagttgca cttttttgag gaggggtagt gcagtatttc tctggccagt atgaatgaag   240
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ccttttgtct ctaacttggt tctatittta cagccacaca attcttggca tgtattaaga 480
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 tatgtaaaag ttatattttt acatgtagac tcttgggtatt atgnggttta atacattgga 720
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<210> 1070

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1070

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 gtcacaaat tatactagtt tggtagtttc ataaactagc ttgaatcaaa ataaaatggg 180
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 tagaggggag agtggacctt gaagaactga ttggatttct cctgttgggg aatgtgaatc 480
 ataaagctga ggtaggggga acaagtatga ggctggcaag tagtcggttt ggcaggagca 540
 cagagtgcct gcagggaggg ccatgggaga tcaagctggg aatgtagaaa ggaattttta 600
 cttgataaat ttgactagg taacaggttc tttatcaag gactgacatt ttatgtcaca 660
 aaaattttta aaccatttc tgnctcttgg aaaacccaaa gggagcagtg gcatgtgaaa 720
 aattcttggg ttaaaagatt cnaaccatn 749

<210> 1071

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1071

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gtttttgcc a ctgaaagtaa tggcaagacc gcaattactt ttgcaccaac ataaatattt   60
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taagggtgtg agtgctgtat tagttcagca gaggttacct atgtactttt gggggacaga  180
tatcatatag ggaattcatg tcagtgacca aacgaagtga ccattacagc ccttttgaaa  240
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ttggaataca gataaatcaa gtcactgtat tcactctctc tctctttgaa tagccttatt  420
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gctctagtca ctgtgccaga gcaccaggga ggagagtgtc tgctaccact gacagctgtg  660
tgtcatttag caaattatta acatctcttt ggtaacatgt gacctcaaag aagtcaccta  720
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<210> 1072

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1072

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tttttgataa gatgattact tggttttttt cctgttaaca aggagacctg gatgatgatg  180
tccatttggc ttttaggact ctttaactagc aaacaactaa gcccctgcaa aatcacatga  240

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agacattgga aaatcttttt atgtaaggca gagatgattt ggtcatagtt cgcaatgaag 300
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 cgaagtcttt gaaattaagg atgttaaaat aaaattctga aatctagtat actgtggtat 420
 acctatacgg ttaagtatta tacaaatatt acatgtgaag aaaatatgaa aaaagtccac 480
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 agttttccag ggctcccata acaaattacc acaaaccggg cggcttcaaa ttgatcctct 600
 cacagttgtg atgccggang ctagaagtct aaaaccaagg tgtagtaag gccatgctcc 660
 cttcaacagc tntggggaga cccttccttg gctntt 696

<210> 1073

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1073

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 tttccgtata tggagaaaag tgattccacc cactccatgc cctggcacgt catgatgcca 180
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<210> 1074

<211> 709

<212> DNA

<213> Homo sapiens

<400> 1074

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aatgcgaagg gagtcatgtc cagagtgtt tttgcaacag tgacccttgc ccaacccatg   60
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tgcggcggtg ccgcacatgt gataaccctc ctccctccaa tgggggaaga gcttgtgggg  180
gaccagactc ccagatccag aggtgcaaca ctgacatgtg tcctgtggat ggaagttggg  240
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ctgatagccc taactctgat actagaataa tacgtgccaa aattaccaat gtacctcgta  540
gtcttggttc agcaatgaga aagatagttt ctattctaaa tcccatttat tggacaacag  600
caaaggaaat aggagaacag tcaatggctt taccctncca atgcagtctt caaaagagaa  660
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<210> 1075

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1075

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caccctcaga caaaaggcaa acctattcaa gtttttgatt ttgaaaatg tttcaatcag  180
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aagtggctgt ttagctagga aaatcatcaa ataagtaagt agaaatgcat gcagaaacag 300
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<210> 1076

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1076

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acgtgtagaa tcaaaggact gacagcaggt cgaatgtgag gaatgaggga gggaaagaat 180
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cagtaggata tccaagtga aatgcccagt aagccttaga cataaggatc tggatctcaa 360
gagaaaaatt gaggttgaac cataatatgt ctttccctc gaatcatgta ggtttctctt 420
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ttaagggtgt taacctgcag ctttgcgtt caaagcttgg cttnccacta ccagtttggc 600
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cctctatgtg tgactctagg tcttacaaa tcaaggtgtc ctttctcatt gagacttncn 720

tattaataaaa atattttcttc tattaaattc aacctggcac caagcattat aggttaattag 780
gcccccccn atgactgg 798

<210> 1077

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1077

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gccacaagca attttggttt atttttcata acagaatcaa agacatcacc aaaaactcca 180
tcccacttct tgcaggggag gaatttggtt ttttcccttg gatcctgttg aacacatgtg 240
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ttggagaaga gtcattccttg gtgatgagac aatcagtatn aaccagangg tctcatttan 720
gggcaatttt gctccccttc ccaaggacat tggacaatgt ctgggtcttg agacat 776

<210> 1078

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1078

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 ggacagccgg gagagggggc cggatctctg gatctccca gccctcagat ctgagtgtgg 180
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 aggaaagcca ggggcagaga cctggcaggg cagcgtgagc ccaacaacca cggggtgggg 420
 gtggggcgcg catcaagatt tctaacaagc gcagctgaaa acaccaggg ccgttctctg 480
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 atggtgggta cttgaccttc atttgctgtg ggactgtcag ggattccagg gacccactgg 660
 tccccgaact ggctcanaga tgcaagccac ttttacctnc tacacatcta taatccccac 720
 cccatggntt gacaaatatt 740

<210> 1079

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1079

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 ctcatatgaat cccaagata atcctaggaa ttatgtccta ttcctatcat ccccatctac 180
 agatgaagaa agtgaggcac agagaggcta ggggtggttc tgaaggcac acagccagga 240
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 aattttctc atgcgaaatg gcagggtgtg taacctcttg caacatcatc agggctggag 480
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 tagcccgggtg gaggaagca ctgattccct attgccttt ttctggcatt atcagcacca 720
 gtgggctttt caaaagatga gttgatataa gcatcctgtc agaaanggtt ccggcctaata 780
 aaatggaatg nccctttccc tttnta 807

<210> 1080

<211> 716

<212> DNA

<213> Homo sapiens

<400> 1080

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 cctcagtctc ctgagtagct gggaccacag gcatgcacca ccatgtccag ctaattgggt 180
 aactttttct ttgcagaaat ggggtcttac tgtgttgccct aagctgatct caaactccta 240
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 agaaggaagt caggagagtc agtgtcagag tgatgccgtg ggacacagtc tttanggctg 660
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<210> 1081

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1081

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<210> 1082

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1082

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<210> 1083

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1083

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<210> 1084

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1084

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<210> 1085

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1085

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<210> 1086

<211> 701

<212> DNA

<213> Homo sapiens

<400> 1086

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 caactcctac ttatgagaga gaacatgagg tgcttggttt tctgttcctg tgtagtttg 540
 ctgaggatga tggcttccag cttagaaagg aagttttgtt gaagagcaaa tgtttccgta 600
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<210> 1087

<211> 596

<212> DNA

<213> Homo sapiens

<400> 1087

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gcaataaggt aacanggtgt gcccacctct cagggtgtgt atgaggacaa ctgaggccac   60
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tactcattgc ggccgggggc ctccccccagc aaacgggttg aaagaggcct gagccccatc  180
cccagtttct gcccctgcta tctccacca ggatccacca gaagatatga agcaggaccg  240
ggacattcag gcagtggcga cctccctcct gccactgaca gaagccaacc tacgcatgtt  300
tcaacgtgcc caggacgacc ttatccctgc tgtggaccgg cagtttgcct gctcctcctg  360
cgaccacgtc tgggtggcgcc gcgtgccccca gcggaaggag atgtgaccga ctgcagaggc  420
cgcgccgcct cccccgtccg aggtctgcgc gctccgccgc aggggtgcaga cccggggcgcc  480
ccgcctgggt ttggggcgca agagcagagg cggagccagg gcggagccag cgcgccgggt  540
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<210> 1088

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1088

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ttctagagtg tagtggcgtc tctactatta ctgccacatc attaggtgtg aataactcaa   60
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gaggaaatct atcttcctta gaacagattt atggtttaga aaattcaaaa gaatatctgt  180
ctgaaaatga accatgggtg gataaatata aaccagaaac tcagcatgaa cttgctgtgc  240
ataaaaagaa aattgaagaa gtcgaaacct ggttaaaagc tcaagtttta gaaaggcaac  300
caaaacaggg tggatctatt ttattaataa caggctctcc tggatgtgga aagacaacga  360
    
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ccttaaaaat actatcaaag gagcatggta ttcaagtaca agagtggatt aatccagttt 420
 taccagactt ccaaaaagat gatttcaagg ggatgtttta tactgaatca agcttccata 480
 tgtttcccta tcagtctcag atagcagttt tcaaagagtt tctactaaga gcgacaaagt 540
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 aagatttacc taaccagttt tatcgggatt ctcatcttt acatgaagtt ctaaggaagt 660
 atgtgaggat tggncgatgt cctcttatat ttataatctc ggacagtcct cantggagat 720
 aataatcaaa gggatttggt tncccaagaa attcaggaaa ag 762

<210> 1089

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1089

caagaagatg tgaaaatagt attgtccaaa ctcaagaaaa aaaaagacaa aattatctca 60
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 gggacattaa ggagggaat aaaaagccaa gagaataaaa ataaatatta gaaaaggtta 180
 aaaagtatct caaaggaact gttagatata gaagataatg aacaaaaatc caatatgtat 240
 atgtacacga tatgtatatg tatgtataac tgaaaaccca aaagaagata aacaaaacaa 300
 tggaacagaa ttaacactta aataagaaaa ctttccaaaa attaaagcag acctttacct 360
 ttgtatttat aggacctact ttgtattcag attgggtcaac tctaagacat attttagtaa 420
 aactattgta ttctaagaaa atttcttcta aacttctggc aaaaaaaaag ccaagtcctt 480
 tacaaggtaa agaaagtcaa gtttgcagct gtttttcagg tattgaggtt atactgaaat 540
 cgttttcagc atgcagaact cagggaatat tataacccca agccattct gaggaattaa 600
 ttagagaaag ctcttcatca aagcaagaga tgatcaattt aagacaaaaa caaagcaagg 660
 gacaagggtg gaatagtgn tgtgtgtatc angctcagtc caatgaaaga gaggaaccac 720
 cccagtaatt tggaaccttn gaaagggttaa at 752

<210> 1090

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1090

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ccaatccatt catgagggat ctgcctccat gacccaaaca ctcctacca ggccccatct 180
ccaccatggg ggaatcacat ttcaatatga ggtttggagg gacaagcatc caaagtatgt 240
tatcacccat catcttggtt ttcataattt ttttttccca taagtaacac tggtagcttt 300
ttcatatagg atttccggga aaaaaataca gatcatatgc gccagacat tgtagctctt 360
ctgagaagca gcaagaatgc atttatctct gggatgattg gaattgatcc tgtagctggt 420
ttccgatggg caattctccg agcttttttc agagccatgg ttgctttcag ggaagctggg 480
aaaagaaaca ttcacagaaa aactggacat gatgatacag cgccatgtgc aattttgaaa 540
agtatggata gtttttagctt tctccaacac ccagtcacc agaggagctt agagattctg 600
cagagatgca aggaagagaa ntacagtaag gntnccaatc tggtaaactg gtattacat 660
tttccttttg g 671
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<210> 1091

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1091

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aagcttgggc tctgcttctt attgagttct tttttaaaat tttgctgggg gtccggggaa 180
agaaggaaaa aaagcaacaa caataacgag aaacaagtca cccaggcatc ttgtggaggg 240
tggctgctct tttcaggccg gcggccagtc cccgggcgta cagcgtgcgg tgcaacctgc 300
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agctgcgggga cgggtgcatt cacgaggggg gtgtgtgcgc ctgggggtca cccctgctgt 360
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 ggaaaccctc ccagggggccc gggcccaggg tggccacggt gaggaggagg aggaccacat 480
 gcgcagggaa gggcatgggg cacagcatgt gtgtggccca cacaaggcg gtctgctctc 540
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 cctgagccct ccgcccccg ggcccactcc ccgttctccc agccttgctg gctacttcca 660
 ctccccaaag agccttcagg ggccttcttg gcgtgatcaa aacaacaggg ccaccagntt 720
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<210> 1092

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1092

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 gatcacgagg tcaggagatg gagaccatcc tggctaatat ggtgaaaccc catctctact 180
 aaaaatacaa aaaattacct ggcgtggtgg cgggcgcctg tagtcccagc tactcaggag 240
 gctgaggcag gagaattggt gaaccgga ggaggagggt gcagtgagcc gagatcgtgc 300
 cactgcactc cagcctggtg acagagcgag actacgtctc aaacaacaac aaaaacaaca 360
 aaaaatata aaaaaattag ccggacgtgg tggcgatgc ctgtaatcc agctactcag 420
 gaggctgaga caggaaaatc acttgagtct gggaggcgga ggttgaagt agccaagatc 480
 atgccattgc actatagcct cggtgacaag agcaaaactc tgtctcagaa aaaaaaaaaa 540
 agaaaagcaa agaaaaaaaa ggcacaatat gtaatgctat ttgctaaagt cagcctcttt 600
 atgggtcttt tgttgacttc ttcttagtg gctccacttc ttagaagta atgagcaatt 660
 cctgctatag cagcagagcc tntaccaaag canggggact tcanggaacc actggttgtc 720
 a 721

<210> 1093

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1093

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tttaaagatg tggctaacta gctagtgatg catgaacaat tgtttttagaa acctaccatt   60
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atgtctactt ttcctctctc cctgtccctt ccccatctt cttctctctc tttcttttct  180
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aatacatgag gcccccaaa taagagagtg aaacattgtc tgggatgtat tttctgctcg  300
aactcatcgt catttttctg tgtatttctt acattagccc ccagaaaagc atttttcaaa  360
gactttgaga accaaagggt ctctctgtaa ggaaatgtgt taacctgatt tccttgttct  420
catgtaattt tctctcttaa agccataata atagtgtcag aggcagcttt ctagttagtgt  480
tgagtaatgt gggtactgta ttttctattt ttattttaat gtgcttttcc tgctgtggat  540
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ggcgtatatt gcatcttctc tgagatgcaa ttttgaagga aggctctgtg cacaataggc  660
attttttttc agattcctta ntaggataaa tagggagaat gttttggaac acagatcaag  720
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<210> 1094

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1094

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ggcctttttt tttttttttt tttttagctg agagcagtag ctcacacctg taatcagccc   60
tttaggaggc tgaggcaggt ggattgcttg atcccaggag tttgagacta gcctgggcta  120
catggcaaaa ccccatctcc actaaaaata caaaaattag ccaagcttga tggtggtcta  180

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tagtcccatc ctctttggag gctgcagtgg gaggattgct tgagcccagg aggtgaaggc 240
 tgcagtgagc tgagatcaca ccaactgcact ccagcctggg tgacagagcg agaactctgtc 300
 tcaaaaaaaaa aaaaaaaaaag taatttttta atattaggaa ttagagtgtg gtggtcatca 360
 gttcatggct gacagaaaca gcacttcctg ctctttgcaa ttagttctt ataattggaca 420
 antcttgttt caaatgctgc ctctttggta ttctgtgtac aatggaaatg ggggttggat 480
 tagatgctct ctaaagatgg tctgagctct aaaagttttc ttcttgga gcagcagttt 540
 ccctggataa aggacctttt tctgagcat gtggctctgt ctcaagca gccctctcc 600
 ctggttcccc agtagagctt ccaggctcan atgaataggg ccactggctt tgctctacat 660
 agaggnccta aataatttaa gnggcttaaa agcc 694

<210> 1095

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1095

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 gttttctata ccttgggatt acatgttata caaaacagct gactgacaat gcagaatgag 180
 ggaagggaca cctccaaatt ccttcagcct cccaaagtgc tgggattaca ggcatgaccc 240
 accgctcccc gccttgtttt ccgtttaaag tcgtcttctt ttaatgtaat cattttgaac 300
 atgtgtgaaa gttgatcata cgaattggat caatcttgaa atactcaacc aaaagacagt 360
 cgagaagcca gggggagaaa gaactcaggg cacaaaatat tgggccgaga atggaattct 420
 ctgtaagcct agttgctgaa atttctgt gtaaccagaa gccagtttta tctaaccgct 480
 actgaaacac ccaactgtgtt ttgctcactc cctcactcac cgatcaaaac ctgctacctc 540
 cccaagactt tactagtgcc gataaacttt ctcaaagagc aaccagtatc acttccctgt 600
 ttataaaacc tctaaccatc tctttgntct ttgaacatgc tgaaaaccac ctggtctgca 660
 tgtatgcccc aatttgtaat tcttttctct caaatgaaaa tttaatttta gggattcatt 720
 tctatatttt cacatatgta gtattattat ttcttatat gtgtaagggtg aatttatggn 780

atttgantgg tccagaaaat atnttttttaa agcttttcatt ttttccccag tggatgatta 840
aaatttttat gtaa 854

<210> 1096

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1096

atgatgtgat taatcttact tgtgttacca tagacatfff cctgacaaat gctccagcgg 60
aagaagcaca taaccaatca gcagttgaaa cttccccct tttgatgtag aggtcccttt 120
acaacacata atctcagtgt ttctatgtgt agaacaaact tcttaatttc tatataagca 180
gttagatagg cccagaggt ccatgtgtgc tccttttttt tccctaaggc taaaagtgtg 240
aggcagccat ttgttgcata ctattccttc aatatttttag tgaaagcaca cttcataccc 300
aatctttatt atcactatca gcctgtcagt aatcaaatat atagctacta aatgaagagt 360
tgtaactact tagtattaac accataagaa aggaaaacaa tattgatgtc tgacatgttt 420
aaggatgctt aacagggaaa attaaggaga ctggcccatt aattatggga taaaataata 480
ataatcaaac atcttaacta gtttatcaag tcacacttac aagcctctta ctaatttact 540
cctgtactga aatgaacata cggtaaaatt caagagaaac tgaggttcaa aataaatttt 600
acttctgagc ttggaataga agagagtaac agactgctgt cctaattata ataccttttt 660
gacacattgg tatagtcctt gccacctctg aataaaactgc catttctacg taattgggtg 720
tcattcttat caatcctttt tgaagtagat gagaaatttt taaaaattgg gaananangg 780
aagtgtggct g 791

<210> 1097

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1097

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aatttgattt tccttttctt ggaaaccact acttttaaaa gggctcggcc tttccctttg 180
aagaatttcg ggcaccctca gcacttcctg tgcacctgag cgggaggaat ggagtgaggt 240
gactctgttt gaaggatgac agagttaagg aaaagcagaa gccacagttg attgaagtga 300
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gtgaggcaaa aggaggagta gcgcgcgcac agaaacgccg tattcaagcc ttggcagcac 660
accacggcag taaagctagc ggacccgtcc ctgggggtgcc tttaaaccgc nctgcattca 720
cacttgcgnc tttattggct tgnngca 747

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<210> 1098

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1098

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gaaagtttgt caatttggtt tcactataag gcatcaatgg cagaaactac atatgagtaa 60
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ggttagagtg cagtggcttc tttcaggcag acagcagatg ctctcagatt tgggtggtgag 180
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tgtagctca caaggaaaat aaggaaaagc caggcctccc acctcttgac tcttgtgaga 420
gtgaagacaa catggggcat ttagaaaata tatttttagt gtatgataat gtgggctggc 480

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ccacacagca atgagcccaa agacccccctc gctttgggaa ttattcatgg ccctgctcat 540
cacagcctct gatatgcatg actgtaacct aggctgagcc aagaatggag ctcatgccag 600
aatggtcct aagcatgcac atggccccctt ggaatatcaa aatcctgggg agaaagaaat 660
catctttgcc ttggcagtga agctggaatg gcacatatct atctggtgcc acatcttctg 720
cctagtggag aaccctggaa ggcaacagac acttgagcaa gcacnaggaa ggaaaatgtc 780
ctggaaaggc agggactntt acccaagncc ctacattccc agact 825

<210> 1099

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1099

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aggtagacag taagtatgga tcaactgagc acaggaaaga atgggatttg ggaagatcac 120
attgtttgga ttttctgctg atactaaagc tggattttta ctacacaggc agggagaaat 180
tactgtcctg tgggtggacct ggtgagagag gtggcatatg actaagcaag tcagctgacc 240
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gaactgacct cacacagggt tctgggggaa aaaaccacc aaactttatt ttaagaattc 420
taaaacaatt ttacaattct gatttgagta gaagtttgat ttgaaaaggg acttcatctg 480
caccttctct cttgcctttg tttatagatg tcagtaatgc ccgtatttta aaaagttgaa 540
atgagttata aattatatct taaggatttt agtttgtttt gaagaattgn ttaattggct 600
aggatttctn ccccttcag tagcttcaga tcccaatggc taggcaatat ggagataata 660
gtaaacagga ttttgtaaga natggtattt atttatttat ttttaaatan agataaggct 720
ttgctatgtt gccagccgg cttgactcct gggttcan 758

<210> 1100

<211> 551

<212> DNA

<213> Homo sapiens

<400> 1100

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ggtaggtacc attattattc ccattttgca ggtgaggaaa ctgagacaca gaacgggtcaa 180
gtaacttgcc caaagtcaca agcttgcaag tggcagaact gggatttgaa ccctacactc 240
ttaaccaatg ctaccctccc ttccaagaaa aataggaaaa ggacatgaac agatgaggaa 300
atgcaaatgc atittaaact cacagtaaga tacccaatct cacaaaacat attgtatttc 360
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ctgtgtcgcc caggctggag ttcagtggcg cgatctcagt tcaactgcaac ctccgcctnc 480
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accacaccca g 551

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<210> 1101

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1101

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aaaaaaaaaa aaagtgatca ggcaaagaac tgaaaggaga gagaatgagg aaaacaaaaa 60
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ctaattagat ttttttaatt ttccatatct ttaagaaata tttttcagtt tgtgacagga 180
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gaattgtcaa catgagcctg aacactaaaa aaaattctgc taacaaaggc actgtgtttt 360
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atttctgga ttactacttg tacttaaacc tgagtaagtt ttgaatttgg aagacacatt 480

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ccagccagag aggggtggatt ttggacccat gttcgagtgt atcagccacc cagattgggt 540
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 ttctatatct tagccctgtt ctccccagtt aacagtcctc agaggaagaa acgagtccat 720
 aaggcagaat ttaaaagctg tgtacaaatt taacattttt acccatggca agacatctag 780
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<210> 1102

<211> 771

<212> DNA

<213> Homo sapiens

<400> 1102

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 gttagtttag atgaggtatt tggaacttgg aaagaatttt acaggtaagt atcagtaatt 180
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 aaaataaaaa ttaaagtttt cagtgaagta gaaaaggtaa ttcagacgat tagaattatc 300
 cttaagattt caagtaatat ataggtaatg agaaatgaaa ctgtttgaaa aataaataga 360
 aatgatagga attttgaatt atcagaagtt gggagtactt ttacatttcc tgcttaataa 420
 aatgggcctg agttacacaa aatatttcag cttagtcaaa tttttgctag gttgggaatt 480
 ataatctctg taaatggggc ctttgtgtca gcaagagctt aagacgtaaa agctcctctg 540
 ttccttgtaa taaccgagcg gggcaggttc tggccttacc tccattttac acctgaggaa 600
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 gccagctgtt ggagtcccag gtgtgtgctc ccacgctctt actggcacct tcaactctaa 720
 tgggtgangg atggaaaata nggctccagt gctggatgan taagcctgat a 771

<210> 1103

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1103

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taagtatatg aaaagatgct catatgtcat cagggaatta caaatTTaaa acaatgacat   60
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ataaatatgg agcaacagga actctcattc attgatgggtg ggaatgcaaa atagtatagc  180
cactttggaa gacagtttgg cagtttccta ccaaagcaaa catactttta ccatgtgac  240
cagccatcat gtccttggc atttacgtaa atgaaatgaa atcttatgtc tacacaaaaa  300
cctgtacata gatatttaca gcagatttat tcataactgc caaaatttgg aagcaaccaa  360
gatgctcttc agtagtgaa tggataaaact gtgggtcatc cagacaatgg atattattca  420
tcactaaaaa gaaatgagct atcaaggcat aaaaagacct accagaaact taaattgcat  480
attattaagt gcaagaagcc tatatgaaaa gataacatac tatatgattt caactagata  540
acattttaga aaaggcaaaa ctatggagac agtaaaaaga tcactggttg ccaggggtca  600
gtgtggaggg aaggatgaat aggtagagca caggggatat tttgggcagt gaaactattc  660
cttatgatac tacaatcata gatgcatgtc attatcattt gccc aaacc acagaatgcc  720
caacaccaag gaatgaacc ntaatgggga acctatngga aattnggg                768

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<210> 1104

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1104

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agtgaagac aagagaaaga gaggagtaac aaaacctggt tatttaatat aatagccagg  180
gtattctaaa tggatatgtt tgtcatacca actgatattc caagccaatt gggatgatgcc  240
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333

<210> 1105

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1105

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aaaagaaaat ttgaaaaaa attttttttc ttaacagggc agatcaagca taagctgccc	600
tgctgagcaa tcattttatg attaggagtc cctaaaaggc ccatagagcc aactataagt	660
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<210> 1106

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1106

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<210> 1107

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1107

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<210> 1108

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1108

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 gctgtgaaga tctctcacat gcccttgaga cattttctgg ggagaaattc aagctagctg 180
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 tctccagggc atgtcagagg tcttgacagc agcccttccc atcacaggcc cagaggccta 300
 ggaggaaaag atgatttcat gggccaggcc ctgggctctc ctgctctgtg cagactgcag 360
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<210> 1109

<211> 667

<212> DNA

<213> Homo sapiens

<400> 1109

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 caacgtgctc cacctctggc ccttcacat ccacgacctg cgggcactcg gtgctaagaa 480
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 gcttctgctg aaggtagcat tgctgctggg ggtggaaatt cactgggggtg tcactttcac 600
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<210> 1110

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1110

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 tattctgcaa accaaacact ttagtaaaac tctctacttc tagaaatggg ttaacattat 720
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<210> 1111

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1111

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ggagtttcta tttacttggt attaaacaag ttcaaagatg tttttttttt cttttaatga  660
ttancttttt cttactgntt caaatttggt aaaagtgttc tatgagatat tattttatta  720
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735

<210> 1112

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1112

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<210> 1113

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1113

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 ttatataatg gccagccag gtttcatcct tgatatcctg gcaactgtag tttatattaa 180
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agaatgtant gacactgca

679

<210> 1114

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1114

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agaattgatg acttagacaa taccgatttc tttttttatt gttattatac ttttaagtct 180
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<210> 1115

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1115

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<210> 1116

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1116

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<210> 1117

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1117

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<210> 1118

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1118

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aataatatga tagatttaaa aaaacttcaa tcaactaac atctcaaaaat ttttttggtg  780
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<210> 1119

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1119

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aggacaatac tccagttcct gaccaactat ttctacgatg tggaggctct gagggattac  180

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<210> 1120

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1120

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 aaaagctcac ttccnacatg ttgacagggg aaagccctta cacgggggtc ccagaatctg 840
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<210> 1121

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1121

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 ttcttggnntt gncaattaca t 741

<210> 1122

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1122

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 gctgaataac cttcatgcac ttatggcagt ggtttctggc ctacagagtg cccaatttt 720
 cangttgact aaaacattgg gcgttattaa gtcgaaaaga caaaactacc tttgaaaaat 780
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<210> 1123

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1123

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<210> 1124

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1124

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 gtagttgagt caactgggta atgaacatta catatttttc tatactattc tctgttgtgt 180
 atatttgaaa atctccataa taaaaaccct tttaaaaagt caatccagaa agtggaagc 240
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 ggtgcactgt acctgcagga gtagaaagc cgtgcactgt acctgcagga gtagaaagc 660
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<210> 1125

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1125

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atttattatt attatititit aagacgagtc tcactttgtc acctaggcta gagtgcagtg 180
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<210> 1126

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1126

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caactititg tattititagt agagacgggg ttctactgtg ttggccagga tggctccat 240
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cttccaccat tcttagacac agtgatagtt taataatcga ttaggatgta actgtaattt 420
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 caaatatgtt taaaatttaa gtttttncaa aaaatcaaag cactgnacac taaaaatnga 780
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<210> 1127

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1127

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861

<210> 1128

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1128

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ttgtgaagga agacttattt tcaagatgga aagaaagtaa cggacagtag gcgcagaagc 660
agaacaaaaa ggagagaaaa tgggcaggtt anggaattca aacattggct aataaaacaa 720
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<210> 1129

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1129

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 catactctaa tatcaaccac acaattggac ataaaacaat cctcagaaaa tgcaaaagaa 720
 ggaaaattat accaaccact ctcttagacc acagcacaat aaaaatagaa atcaagacaa 780
 aatcacttca aaaccatacc attattttgg aaattaacca anctacttct ggatgacttt 840
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<210> 1130

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1130

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 taccagatat ccacccttc ccattggccc tctccattc atcatcttnt ctagttctct 720
 accanaagga gttctcttgg aacttttctc tggcttcaact cactgnacag ttaatgagaa 780
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<210> 1131

<211> 644

<212> DNA

<213> Homo sapiens

<400> 1131

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<210> 1132

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1132

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tctgcgcagc cgcaggcacg gggcactgga cagagagtag gatcccagac cacctctgga 180
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nagc 604

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<210> 1133

<211> 868

<212> DNA

<213> Homo sapiens

<400> 1133

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aatgatcata tagacactga taaataatag tcaactttat tactgtgggtt caaaccaagt 180
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<210> 1134

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1134

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 aacatgctct gttttttcta ctcttgcatc accttggtct ttctgttctc ctccattcat 420
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<210> 1135

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1135

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<210> 1136

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1136

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<210> 1137

<211> 886

<212> DNA

<213> Homo sapiens

<400> 1137

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 ctgtctcaac acaaccacaa aaaaagtatt gggttgtaaa aangggacct taattcacta 780
 actactggac ccattagtaa gggtcctctt ccaaaagctt ncctggagtt tttctggagt 840
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<210> 1138

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1138

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 gtcattttgt tttcatttat tagctgggat aattttatag agcaatactt cccatatcta 180
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 aatttcccat cattggccaa tgaaaaactc ttcaagttgg ctctgaatc ttttggaat 420
 taccacagta gtatttgata gcttccttgc cacctgggat gtcaagatgt tttaggttca 480
 tctgtttct ttcctgtccc atacaggag taagcaaaat ctataagaac ctctgatttc 540
 tttcagtggg aaataatatt tcaatattac aatttgaatc tagctatgtt tactgctaca 600
 actgggttgg ccattatttc tggacttttt tagtttatag aactaggga aatatactt 660
 tttaatatta tatttatcat atccttttcc acactgagaa tcatgggtct caaangcact 720
 angcaatgat agaattaaat atacncaat tctcatttgc tttatcatcc aaatcccccc 780
 acaagctcag aataatattc caatactggc atcatcaatt atgaatatgg gaagctgtga 840
 acaactggtt ttaaaacnga gacca 865

<210> 1139

<211> 493

<212> DNA

<213> Homo sapiens

<400> 1139

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atTTTTTTTT tTcTctgtg Ctcttagtgc tattattgta agttcttagc tggttccttc 60
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ttttgacagt gaatgttgag aaagcatatg catgtgacag ggcggttttg ttagaagcag 180
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cacacctgta atcccagcac tttgggaggc agaggcgggt agatcacctg aggtcaggag 300
ttcaagacca gcctggccaa catggtgaaa cccctctctt actaaaatac aaaaaagta 360
gctgggcatg gtggtgcatg cctataatcc cagctacttg agaggctgag gcaggagaat 420
cgcttgaacc cgggaggctg aagttgcagt gagccaagat cgtgccacta cactccagcc 480
tgggggcana nna 493

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<210> 1140

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1140

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atttggccag tggtgggcgg ttgccacagc tggtttaggg ccccgaccac tggggcccct 60
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gacgtgattc cctgggacgg tccgtttcct gccgtcagct gccggccgag ttgggtctcc 180
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tgacacggaa atgggagaaa ctcccaggca ggaacacctt ttgctgtgat ggccgcgtca 480
tgatggcccg gcaaaagggc attttctacc tgaccctttt cctcatcctg gggacatgta 540

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cactcttctt cgcctttgan tgccgctacc tgctgttcag ctgtctcctg ccatccctgt 600
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 cctggagtaa ttcctcgggc gctaccagat gaacancitt catanaaatg gagatagaag 720
 ctccaatggt gc 732

<210> 1141

<211> 863

<212> DNA

<213> Homo sapiens

<400> 1141

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 ccagcatttt taatcttttag actaataaca ccaggtagac acaaagctat tcctggaaca 180
 ttgctttatt atagatagga attccataac caattacctc ctatttgcta gaacacacta 240
 acacaaatac ataaaaaata cagactaaac tataatagaa ggcagttttc tctgggtgttt 300
 gtagcacctc tcttctacta atttaaaata tcttcatcac tgaggatgcc tcctattaaa 360
 atgttatatc tgagttatac taataactat gaaattacca ggtgtctctg cttgagtagt 420
 tggaattaat ttttttgcct cataactctg gagacttctc agaaagtgtg gctaaagggt 480
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 cccaaactat gtgtcctcag tattgtggga agaaccactc tcatgatttc taaccagggt 660
 agcctctgga agtcaaataa ttgctgtaaa attatgaaca gagcagcatc aggctttgct 720
 ctgatgtatc ttatgaagcc tttctacttn caaatgaaga ctatgaagag aaccttggaa 780
 caatgccctt ctggggagct cattcagcaa ggcataatctg anggcataatc tgggtccctc 840
 ttacgcatgg aggaatcntg ngg 863

<210> 1142

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1142

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aagggactga tggcctgggt ggcgctgctg agaactgtcg ggagcttctt gagaccgagg 60
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gaggggaagga cggggcctgg ccccgggac tccctgtgcc ttgcttggag ctgacgccga 180
cggtttattg cagggaactg acaagatcac atttgagaa gaagttggaa agaatcccaa 240
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gaaaatacaa gaacagtgga aaagctctat aaatgttcag ttgacattag gaaaattcgt 540
agattaaaag gatgggtact tttagaggat gaaacctatg ttgaagaaat tgcgaatatt 600
ttacaagaac tagtgccga tgagactgct gtagccagta ttttgaacg ctgccggaag 660
caattgtctg tagtccaacc gctgttaaca cccagagaaa actctggcag ttggtctgca 720
aaaatgagga agagttaatc aaagttaata ngagcanttt ncagaatctt tctttactat 780
taaagacc 788

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<210> 1143

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1143

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cagtaatatg attgtccata gagatatcaa aggcgcaa atcctgcgag attcaacagg 60
caacgtcaaa ctaggagatt ttggggccag caaacggctt cagaccatct gtctctcagg 120
gacaggaatg aagtctgtca cgggcacacc atactggatg agccctgaag tcatcagtgg 180
agaaggctat ggaagaaaag cagacatctg gagtgttgca tgtactgtgg tagaaatgct 240

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aactgaaaag ccgccttggg ctgaatttga agcaatggct gccatcttta aaatcgccac 300
 tcagccaaca aacccaaagc tgccacctca tgtctcagac tatactcgag atttcctcaa 360
 acggattttt gtagaggcca aactgagacc ttcagctgat gaactcttaa ggcacatggt 420
 tgtgcattat cactagcagc cagtaacctc tcctgtgcct ctacctagct cccatctatt 480
 cattcacctt ctctctgact gcacttttct tttttataaa aaaagagaga tgggggagaa 540
 aaaagacaag agggaaagta tttctcttga ttcttgggta aatttgttta ataataataa 600
 tatectaaat tttttatatt taatcttttt ttccttaca agaacttgaa gttttttttt 660
 taatttttat aatgtactga tgtggttcag agagataaag cacttttagta catagtcact 720
 ctttttagta caaacaatc atttgggaat acctaaagat tgtagagnca ttncctttat 780
 cactgacaca ttagtgacca tngggaagac c 811

<210> 1144

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1144

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 aaggcgtcaa tacaccctac ttgtactttg gcatgtggaa aaccacgttt gcttggcata 180
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 gcagttcccg gggttgtggg gccttcctgc ggcacaaggt ggccctcatc tcgcctacag 360
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 tgacctttcc ctatggctac catgctggct tcaaccatgg tttcaactgc gcagaggcca 480
 tcaattttgc cactccgga tggattgatt atggcaaaat ggccctcccag tgtagctgtg 540
 gggaggcaag ggtgaccttt tccatggatg ccttcgtgcg catcctgcaa cctgaacgct 600
 atgacctgtg gaaacgtggg caagaccggg cagttgtgga ccacatggag cccagggtac 660
 cagccagcca agaactgagc acccagaagg aagtccagtt acccaggana gcaacgctgg 720

gcctgagaca actnccttcc actgggcccg gnattccctt gg

762

<210> 1145

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1145

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ggcctttttt tttttttttt ttaggagatg gagtgtccct ctgtcgccca ggctggagtg   60
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ctcagcctcc cgagtagctg ggactacagg tgcattgccg cagccccagc taatttttgt  180
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ggaccacatt ttgagtagca atgagataca tctgtgctgt ccaataggca gccactagcc  420
acatgaggca atttaaattc tcaattaatt aaaatagaaa attcagctct tcagtcacac  480
aagacacatt tcaagtactc cacaactaac tgtggctagt ggccaatata gaacacgtat  540
agatgtttat agacacctat agacatttac agaatataga acattttcat tatcacagaa  600
agttctgctg gacaccacca cttttatcat tccatcatta aagagtatgt aaatcttgta  660
agaggggtcaa gttcaaagca gggatatcag cgattgcctn ttaaccttat aaggagnnta  720
cttgggactc ttaagtgatg gctgangact gatctaaaag tga                       763
    
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<210> 1146

<211> 878

<212> DNA

<213> Homo sapiens

<400> 1146

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aagatgctaa gatcatagaa gcaagaagat gctagttaag tattattaag taaataagga   60
    
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ttccagccac tagtatttct agctgggtga gactgataat actacttaaa aagaaaacaa 120
 atatgtcaca ttcgtagtaa ctgtcgtgtt tagacctga tgcaacagag tagtaaataa 180
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 catcagcatt ggatgtgaag aaaggggtcc gataaccaa aagtataaac aacatagttc 420
 cagcattgtt aatataccaa gagaacaaat tcttttcaat acttagtgaa cagtatgcaa 480
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 tttaaatgga cggttatctt aagacatcca gttaaaatag gaaaaaatta acatctagaa 780
 tctaattaat gagggttact ctaagattgg ttaaaaatat gccctttaa atctattggc 840
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<210> 1147

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1147

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 aaccgatcgg agctccagca gccgggaaca gctggcattt cagtagaacc atggaggagc 180
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 ataataataa aaaagatcac agtgactctg atgaccaaatt gttagtagca aagcgcaggc 480

cgatcatcaaa cttaaataat aatgttcgag ggaaaagacc tctatggcat gagtctgatt 540
 ttgctgtgga caatgttggg aatagaactc tgcgcaggag gagaaaggta aaacgcatgg 600
 cagtagatct ccacaggaca tctctaaca acggacaatg acccagccac ctganggttg 660
 tagagatcag gacatggaca gtgatagagc ctaccagtat caagaattta ccaagaacca 720
 agtcnaaaaa agaaagttga aaataatcag accagggacc aaaaatncca gatgaaggag 780
 tagttttaga aagtgaggaa accaaccgga nccatta 817

<210> 1148

<211> 651

<212> DNA

<213> Homo sapiens

<400> 1148

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 ttagagaaga gtatgggtgt gatatgggag gttggattag ccgactaaac tttgaagttt 180
 gcaacttttag cagatgttgg gatagaagtt aacacagtag ttcaaattga tttcgcactt 240
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 cacctgaaca atgttcacat cattttacca tggagaagag attagtgtt ttatttgtct 480
 aacactctgg tcagngaaat taaagtatct ccgtgtgaaa cagcatgcaa aaggctttgg 540
 ttctaataatt ttaacaaat ccctttagat cgttgggaat taaacaaata cctanggan 600
 tgtggactta cctgaagtct tttgacattt tatgaanttc tggtaaacct a 651

<210> 1149

<211> 699

<212> DNA

<213> Homo sapiens

<400> 1149

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 gttatgtaca agatggcttt ggtgtaggt caactgattg tgttctgatt atttagaaat 120
 tagtaatcac tgtactataa ggcaatttgg cagaaatggg aaaggttgag ttagccagat 180
 ctteccattc cgcattcaca atccaaacaa tatgaactcc aatcaaattc tgattttata 240
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 cttcaggtta ggatgaatcc taacacttgg ccaaggttag gaagggttt gagcactgaa 480
 agaaaaccaa ggtaaaattt aaggaattgt tagaagattc atctgagaaa tgtagaattg 540
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 agggattttg nttgttttaa aaaaaaagaa aaagtctgtc ttgacattg gttatatcta 660
 ggntttatca tnccgtgtaa agggttctta agttccttg 699

<210> 1150

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1150

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 ctggcacaca acagattctc agtctatatg ccatgtcatt cctgcctatc attgttcttg 180
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 ggtcagttaa aactcagaga gcaaaattat gtgtgtaata tgccaagatt ttcaacaaat 720
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 ggccacttgg attc 794

<210> 1151

<211> 712

<212> DNA

<213> Homo sapiens

<400> 1151

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 gaagtgttta agaataaagg accatgattc tactgtgtat tggttcaaaa aaagattgtg 180
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 aaaaagttaa aatatagcac atctcaagaa tttcttagt caaccaatta taacagacca 420
 tactctagga tcatcagttt tggattatct ctttgattt gttgatgaag cactaaactg 480
 aaagcaatag gaaattttct ttatagctgt agtttctacc tattgaaggc cattagcttc 540
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 attttcactt gtacttctag ctagatgaaa gagagaaagt ggccatgtgc cgtggctcac 660
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<210> 1152

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1152

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ctaateccat ctggttgggc atctgcctg tctggaaaac aggtcccgga gccatgcaca 720
ccaagcttct aaggaaggca naaaagcact tcccgaacttt aacaaagaca tgttgaagg 780
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<210> 1153

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1153

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gaaaaacaaa aagaatcttt gttttacccc gaaagagagg cagaggcaga aagtcttctt 60
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tcagaaatca ggcatggccc caacctgaag gaactttag cttaatgggg aagcacacca 300

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agaataaaaag agcctccaga acatgtggtg cctgtggtcc tgagacagca ggaaatggct 360
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 cagcacactc actcctgagc ttatttcagt gatattcctt ggttatttcg aaacatggat 660
 gcttgtggca gatggagagc ctgggtgtca cagatctgnc tgggtttgaa atgcatacca 720
 tgttgnccgt tggttgattg attgacttgg accacgaaag aaaantttac tgacagcttt 780
 caaggtaggg ggcaattgta gcttnttgc aaatgttgcc 820

<210> 1154

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1154

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 gataaaaatt gtcattatat agtgataaag gggtaagta atcaaaagga tatgacaact 180
 ttatttcaga catttagaga gaaggatgta acaactgtaa atatatacac cccaacact 240
 ggagctccta aatatatgaa gcaaatacta acagatctga agagaaagac agattgcaat 300
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 aaaatcaata aggaaacatt ggacttgaac tacacattag accatgggtg tccaatcttt 420
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<210> 1155

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1155

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<210> 1156

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1156

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cagagcatat cagacctng ggacacattt aaagcactgt gtagaaggaa atttatagcc 780
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<210> 1157

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1157

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ggaatggcct ctcaaagga acaggattgc tgaatatatc aacacaaaag atcactagca 360
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catttggggg aagt 854

<210> 1158

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1158

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ctacccagaa ctgagaagtt gaaaatttga aggtgtgaag attaagagac gcgttacttt 780
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<210> 1159

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1159

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<210> 1160

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1160

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 acttgcttaa agataagtga aatatctaata cacaaggga gtcctgtttc aaactatata 180
 aacaataaca ggagtcataa cagttgtttt cttagaactg aatacctaac aattctgcag 240
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 gtgactcctg gtcattgggt gtttctatta ttagctaca ctgattgcta cacggggcct 660
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<210> 1161

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1161

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 tcctgttccc acaccacctg tcacatgcaa gggatgatgg ctgtctgctc ctgggtctat 180
 gctttgtgga agaaggatgc tgtggaggga gcatatccaa gctctaaagt ggcatctctt 240
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<210> 1162

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1162

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 gttttctggt gagtagacca tctgtcctaa atatatccaa taccagtttg caaagtcctt 180
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<210> 1163

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1163

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agggcacagt acataagaat caaaatagaa cacaatgct gtaatcaaat gcagacccca 180
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ttaaactctc ctgtaattat tccgcaaaag cacctggctc cttcttaagg gaattaaggc 840
aaaagttnng ggang 855
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<210> 1164

<211> 876

<212> DNA

<213> Homo sapiens

<400> 1164

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<210> 1165

<211> 743

<212> DNA

<213> Homo sapiens

<400> 1165

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<210> 1166

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1166

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<210> 1167

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1167

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<210> 1168

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1168

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<210> 1169

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1169

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<210> 1170

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1170

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<210> 1171

<211> 897

<212> DNA

<213> Homo sapiens

<400> 1171

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<210> 1172

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1172

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 aaaatctctt ctctactaaa aatacaaaaa ttagccaggc atggtggcac acgcctgtag 420

tcacagctac ttgggaggct gaggcaggag aactgcttga acccgaggagg cagagtttgc 480
 agtgagctga tatcacacca ctgcattcca gcctgggcaa cagagggaga ctccatctca 540
 aaaaaaaaa annnaaaaaa aaaaggcaag cgaaactaaa ccatagtttt agaagactgt 600
 atagtaaata aattgggagt agttttgggg aaggaacctg agcttggctt ttgggatgat 660
 gataatgncc tatgcatgat ggtgatgtat tatatggagc tatgtgttaa tgatgnatac 720
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<210> 1173

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1173

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<210> 1174

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1174

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<210> 1175

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1175

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tcactacttg cctcaagagg agcttgcct atgctaataa agattctata acattggcca 180
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<210> 1176

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1176

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<210> 1177

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1177

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atgttaggtg gatgcctcan ttgaattcag tcttcttatt gggttaagant aagctttgtt 660
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<210> 1178

<211> 611

<212> DNA

<213> Homo sapiens

<400> 1178

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tgtgtatgac aactatgaaa actattgaga agaaatagtt acgtgataca gtcataatcc 180
tcaaaaacgg agaatcagga attatgatca aatagtgata gtaacaagga aaacatctgt 240

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<210> 1179

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1179

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 ggttgaactg agtactgaga acccagagga cagagccac agcttccaag caggaaaagg 480
 gacctctctg aaaaatctgg ataaccagaa ttatcacagc accctctcat tcccagcgcg 540
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<210> 1180

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1180

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gatgtaaccc catcataagt caaagagcat ctgtaaagac aaagtacttt agaaaaaaat 180
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<210> 1181

<211> 671

<212> DNA

<213> Homo sapiens

<400> 1181

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ccggccaggg gcaaggaagt ctgcagaccc caagagacct tgtgatcatc cagcttgggc 480
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 aagcccacgg ctttcccgtg tcangtgctc acgcagcggt gtgggccggc ggccggggccg 660
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<210> 1182

<211> 647

<212> DNA

<213> Homo sapiens

<400> 1182

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<210> 1183

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1183

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<210> 1184

<211> 735

<212> DNA

<213> Homo sapiens

<400> 1184

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atagagatag atctctcttt cccttacctt cctgtagcac tttgttatct atacctctca	180
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<210> 1185

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1185

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 cagctgtgtg accctgagca aatTTTTact tgacttttct gagcctgttt tctcttctgt 180
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<210> 1186

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1186

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<210> 1187

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1187

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gcaatacttc atttcttctt gtattcccta gcttataaag aatttaattt catttttaaa	180
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 tcctcattag agaaattaat ttaagataaa aatgaactca taatcaaang gtcactcat 780
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<210> 1188

<211> 796

<212> DNA

<213> Homo sapiens

<400> 1188

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 gctgtacgcg ctggtgtgcg aaacgcagcg ctactccgcc gtgctggatg ctgtgatcgc 180
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 cagcttgtct tccagccatg ctgctggac ccccggcag gcttccatgt catcgatgcc 720

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gggaagaact ttgnc 796

<210> 1189

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1189

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tgcccagatc catcaaagga atcactatct atggcagtgt tgccttatga aatgtgtttc 420
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cctgtaggat tttcagaata gtaaataagc cttgggcttc aatttaaaaa ggtactagct 780
gcatttggct ctaacaaggg tcaacctgtc ctggggagct ttgaaccngn catggcttct 840
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<210> 1190

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1190

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aattaaaaaa tactatattg ctaaaagatg ctaccaatca tcgctgagcc ttcagtgagt  180
agtaatcttt atgctggcag agggccttgc cttgatgttg atagctgctg actgatcaga  240
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ctccttgatg gattcttctt ttcacgaaag atttctccat agcatgccat gctgtttgat  360
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aacttctggg aatgggtgcta tttttacttc ctccatgaat catctattat taataataat  780
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<210> 1191

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1191

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agggtggttac tacatatcta ctggctcaca taattcaaaa cagagtcatg cagctcctat  180
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tcctagcccc actggtgata tatttctgtg cctccgcagt gacgccagtt gtcctagcaa 420
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 nagggtaag ggaaggc 857

<210> 1192

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1192

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 agctaggaat taagcaccca ctccacagga agaagcttgt ttagcagtg aaagccatca 180
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 gcaccggcgg ccagctgatg agagtaacct ttctccttca gaagttgtac agtgggtcaa 480
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 ggctatgctt ctcaacatcc cccacaaaa gacgtcctc aggcgccacc tgaccaccaa 660
 gttcaatgcc ttgattggc cggangctga acaggaaaag cgagagaaaa tggcctnacc 720
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<210> 1193

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1193

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gcttgttctt tgtacttttg tggtaacaac taatagattt ttttcttga ggtttactct   120
atttttagat attaaaagta ttttaaactg aaatgatgac tcatacgtgg atataagaaa   180
ataaaaagca gctctgtttc ctacattttt tactgctttt tactctccca atttttatgt   240
cttttcatca attctgcaat agacagagat taatagtagc acttgagttt ttgctgaga   300
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tatctgacta ttttcaggct tgtagaagg gagagtaaga ggaagttag ttctagatca   540
tctatttttt tttccctgta agtaagttgc ttgatataa gatttggtgg tggtaatcag   600
ttgcttaaat gatatacctaa aataatctcc agctcattta ataactgcct tcactaaatt   660
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<210> 1194

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1194

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gttatgatgt acggcaaccg gacaaagaaa atgttaccct cctccattgg gctgccatca   120
ataacagaat agatttagtc aaatactata tttcgaaagg tgctattgtg gatcaacttg   180
    
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gaggggacct gaattcaact ccattgcact gggccacaag acaaggccat ctatccatgg 240
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 gtattcatct ggctgctcag ttcggacata cctcaattgt tgcttatctc atagcaaaag 360
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 aatgtgggca gcatatagaa cacatagtgt ggatccaact agattgcttt taacattcaa 600
 tgtttcagtt aaccttggtg acaagtatca caaaaacact gctctgcatt gggcagtgct 660
 agcagggat accacagtca ttagccttct tctggaagct ggagctaata gtgatgccca 720
 gaatatcaan gggcgaatca acgcttgatt ttggcaaaac agagaaaaaa tgtgtnggat 780
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<210> 1195

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1195

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 cagaattgca gataaaggat tgtggaccca taattttctc ctgttttgca ctggcggtag 180
 ttttaacttggt ggaccatcaa aaaaatatgt ttgagagagg acccttatca cctcttttgt 240
 ttaaaaagca aaataaactt tgtttccacc aaaatgcctg cctccccgac atttaggggc 300
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cctggctcac cggtttgctt ttcacgtttt catcgcttat ttggctcatg gcacaatccc 720
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<210> 1196

<211> 902

<212> DNA

<213> Homo sapiens

<400> 1196

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tccactacc attaacactg gcagaggtag tgagtttgag ggtgcagtca tagctctgtt 180
ccatttgttg gccaccagga cggacaaagt ccgagcttta cgggaggctt tttatcggca 240
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ccaccgcaac tgcgtttgcg gnttgtgcat tggcgccctg tcaatgctgg cttgatttct 840
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tt 902

<210> 1197

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1197

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ttgtctgtac tttctcttta ggtgactgtc ttcctttcct tggcttttagc tacagatgaa  180
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gctagaccgt aagcttcaag aatgcaggca ccatgccagt ttggtcacga ctattaagcc  720
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<210> 1198

<211> 824

<212> DNA

<213> Homo sapiens

<400> 1198

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atcaaatgac atattttatt gatttattgc agattcagtg catatgagcc aaattgttga  180
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 gtaatgggtt ttcaagaagt ctgggtctta acaaaatggt ttcctttatc tcaanggtc 780
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<210> 1199

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1199

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 ttcactggcc tttcaccaga cactgattat ggctgactg tttttgtgca gacaccaaatt 180
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 agatctttat tttctgtagc tgtagtggat gttgaatgac taccagtgc atcaatttgg 600
 atggaataaa atccccagca tgtcagtacc gatgacaatg ggtctcattt tgnacaactt 660
 gatttgggtat ccaggattta aattgctctt aaaatttact ttctgggata tcaaattgtc 720

ccatggngng gttttataat ta

742

<210> 1200

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1200

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ctattgnttc accctaaagn ctncct 746

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<210> 1201

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1201

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<210> 1202

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1202

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 ttttctctc ctcgccacg gagttcagct tcaatgtgcc ctcatccca gtcacccagg 180
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atcgncatac ccctggcagc agcagggcta atccttacat tgcaccaccc cagctgcagc 660
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<210> 1203

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1203

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cctagatttg tttctagggg gaaaatatgg ccgtgtttgc ttctgatgta tataaaatct 180
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<210> 1204

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1204

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cattggaact	gcgagagacc	tcagtcacac	caagtaacct	gtggggcggc	cagggttat	300
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ctgtcctcag	ttaatcccc	gctttgcacc	accaggaact	acnggaattt	gaacagaagt	780
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<210> 1205

<211> 568

<212> DNA

<213> Homo sapiens

<400> 1205

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aaggcactgg	agtgctatcg	gacgggtgtc	tggggcagag	ccaggagggc	gagcctcttc	180
tctccccgcc	tgcccttgct	cacttcccc	tccatgccag	gtgctgtggg	agcagctggg	240
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tcctggatgg gctggatggg ctcccgtgtt cttaccaat ggcagcgta ccagcaccaa 360
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 gtggggtcag gagtcccgtt ccttgccgcg ggaagcctgg ctgagccacc tccagcacac 480
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<210> 1206

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1206

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 cccacactta gacatatcag tcaaaccgtt aaaagacaca gaatctttta aggagcaaag 180
 aaaattggta catcacatgt aaggagtctc aataagatta gcaactgact tcttatcaga 240
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 ttcatttgta ctatgatgag tataattttt taaatcaaga cagaaaagtg ttggtgagga 420
 tgaaaagaaa ctggaacctt cgtacatggc tgatgggaat gtaaacgga gaagtcacta 480
 tggaaaacag tttggtagtt cctcaaaatc acagaagtac tatatgatcc aaggctgggc 540
 acagtggctc acacctgtaa tcctaacact ttaagggcc aagtggggaag atcacttgag 600
 ctgaggagtt caagaccagc ttggacaaca tggcaaaacc ccatcttcac aaaaaatata 660
 aaaattatcc aggtatgggtg gtatgcacct atagtcccag ctactttgtg ggagctaata 720
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<210> 1207

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1207

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agccgagaga gacatgaggt gtctctgaag cccggtcgcc tgggccatga agaagatttt 180
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tgcagtaagt ggaaaaaagc agcaaatggt ggaattttta ataaagaaaa aagcaaatgt 780
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<210> 1208

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1208

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gattctactt cctaaaaacc ctgagcactt tgtggtgtgc aacagatcaa acacggtggt 180

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cgatcatgaac atgcagaggc agattgtcag aagcttcagt tctggtaaaa gagaagggtgg 240
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 gaaagcatgt acttaaatga agcatattca tgtaatgtgc tttttttttt ttttgccagc 540
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<210> 1209

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1209

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 acctgacgga gtttaccag gtggtgcagc atgacacggc ctgtaccatc gcagccacgg 180
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 agatgggttc agcagctgtt tccattcag aattctggca tcggtatttc tataaagtcc 600
 atcagttaga gcaggagcag gcccggaggg acgccctgaa gcagcgggcg gaacagagca 660

tctctgaaga gcccggtgg gaggaggagg aagaggagct catgggcatt tcacccatat 720
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<210> 1210

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1210

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accccaaact ctaaacatct gcataccttg tataaatttc cacttatgaa gctgaaattg 240
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ctaaaatggg aaaatacata tttgggggtt atgatttgat ggcgacgttc aantgcgttg 540
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<210> 1211

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1211

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ctatacttga ggctgccatc aagagtgaga agtttgaagc tggaagagcc tgcattggcc 180

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 aggtagagtt actcattata ggcaggtttc attgtaggag tattcagtga ggacccccgc 540
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 aactgaaaca gaattgcctt ttgttaaggg gatgctttgc cttcttggac tacnattgtg 660
 gggagaagga ttattgncaa ctaagtgagg cattcattct gtcccactat ttaatgnagt 720
 t 721

<210> 1212

<211> 714

<212> DNA

<213> Homo sapiens

<400> 1212

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 taaaagggtgg agggtaggg ggtggaagac aagcaggggg ttaggagata agtaagcagg 180
 ttctgagaaa attgagaata gagttgctga cctgagagtc atggtgtttg ggatacagtt 240
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 gtactgcttt tcttaattct gaaagtgaat ctactgntga cattaaactt gnatttgctt 660
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<210> 1213

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1213

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attatgatga gtaactggag gggccttagaa acaaaaactg gatgaaagag tatgcatgaa  180
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gataagtact taaagaacag acagtttact tggcctaaaa atattttgat gtttactcaa  300
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caaaattaat ttgcaccagt aaacttcaag ctgctttctt tcttgaaaac taacgtttta  720
cgtataatgc tggttggatc tggtnccaat ggtgatgctg tgggtaatgt gcttanagcc  780
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<210> 1214

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1214

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 actcaacctg gctaaatcat tcagaataga atcctactaa aaattatacc atcatgagat 780
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<210> 1215

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1215

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 tttctaattc tgaagagcat ttttttaaaa ataaaactat tcataaacat aagttgcatg 180
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<210> 1216

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1216

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<210> 1217

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1217

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<210> 1218

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1218

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ccattttctc atgtgtaaaa agcatgttaa aaatttttaa tgaggagttt aaaaattaca 180
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 gttgtcgtga tgaccatgtc agtttgggtn cttgctgtat gccagtgtc tgacctgatc 780
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<210> 1219

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1219

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